

V. Balasubramanian

Trying 3106016892...Open

Welcome to STN International! Enter x:x  
LOGINID:sssptal611bxv  
PASSWORD:  
TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 Aug 21 Instant Access to FDA Regulatory Information with  
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NEWS 8 Sep 21 KKF renamed DKILIT  
NEWS 9 Sep 29 The Philippines Inventory of Chemicals and Chemical  
Substances (PICCS) has been added to CHEMLIST

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FILE 'HOME' ENTERED AT 15:32:00 ON 05 OCT 2000

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.15	0.15

FILE 'REGISTRY' ENTERED AT 15:32:06 ON 05 OCT 2000  
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STRUCTURE FILE UPDATES: 4 OCT 2000 HIGHEST RN 292819-21-7  
DICTIONARY FILE UPDATES: 4 OCT 2000 HIGHEST RN 292819-21-7

09/825,925

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TSCA INFORMATION NOW CURRENT THROUGH JANUARY 11, 2000

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT  
for details.

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading c:\stnexp4\queries\09543703.str

L1 STRUCTURE UPLOADED

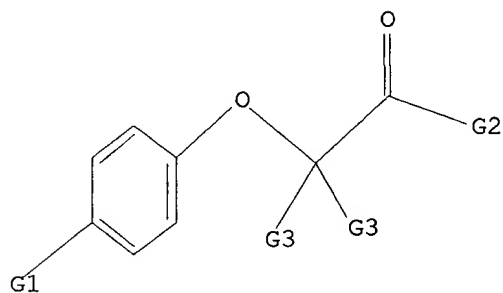
=> que L1

L2 QUE L1

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 C,H,O,N

G2 N,OH

G3 H,Me,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 15:32:42 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 11130 TO ITERATE

9.0% PROCESSED 1000 ITERATIONS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

50 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

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PROJECTED ITERATIONS: 216297 TO 228903  
PROJECTED ANSWERS: 42770 TO 48496

L3 50 SEA SSS SAM L1

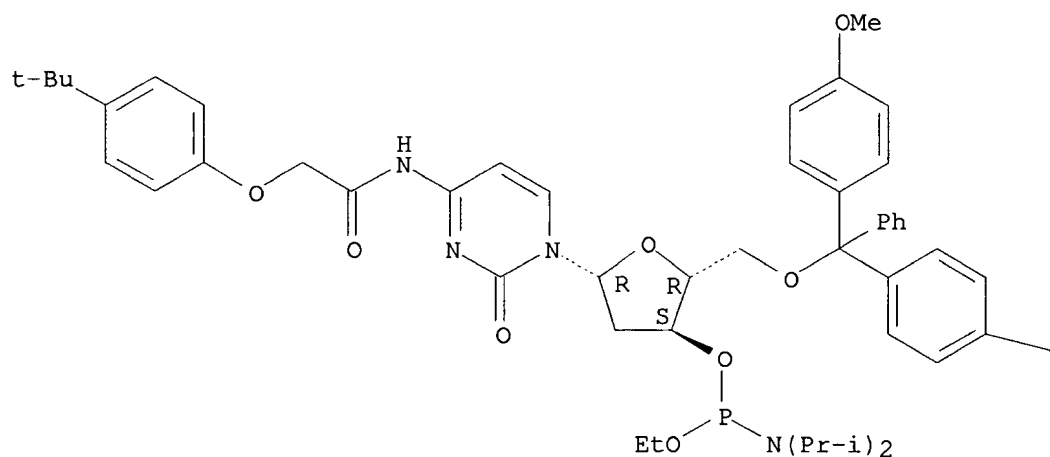
=> d scan 1-50

'1-50' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

L3 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
IN Cytidine, 5'-O-[bis(4-methoxyphenyl)phenylmethyl]-2'-deoxy-N-[[4-(1,1-dimethylethyl)phenoxy]acetyl]-, 3'-[ethyl bis(1-methylethyl)phosphoramidite] (9CI)  
MF C50 H63 N4 O9 P

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

— OMe

The following are valid formats:

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Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN  
SAM - Index Name, MF, and structure - no RN  
FIDE - All substance data, except sequence data  
IDE - FIDE, but only 50 names  
SQIDE - IDE, plus sequence data  
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used  
SQD - Protein sequence data, includes RN  
SQD3 - Same as SQD, but 3-letter amino acid codes are used  
SQN - Protein sequence name information, includes RN

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract  
APPS -- Application and Priority Information  
BIB -- CA Accession Number, plus Bibliographic Data  
CAN -- CA Accession Number  
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)  
IND -- Index Data  
IPC -- International Patent Classification  
PATS -- PI, SO  
STD -- BIB, IPC, and NCL

IABS --ABS, indented, with text labels  
IBIB -- BIB, indented, with text labels  
ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)  
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations  
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

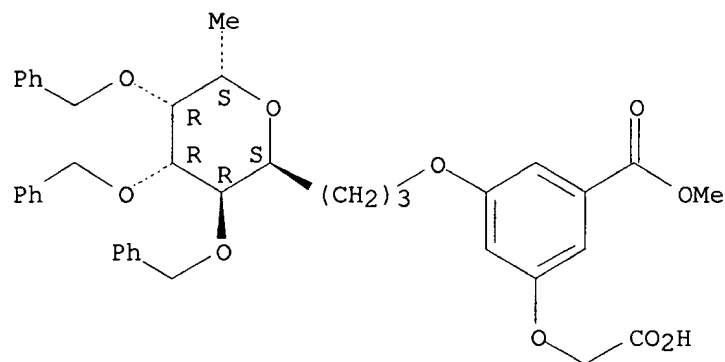
For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.  
HELP FORMATS -- To see detailed descriptions of the predefined formats.  
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

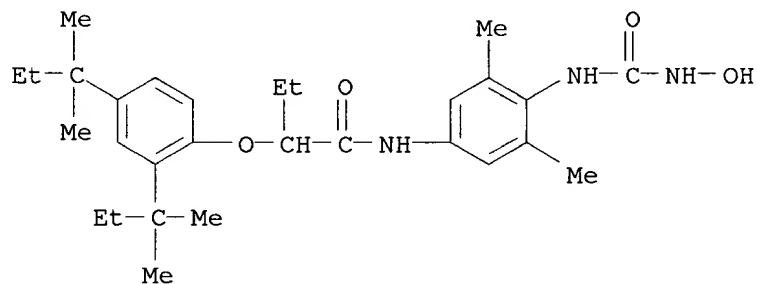
L3 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
IN L-glycero-D-galacto-Nonitol, 2,6-anhydro-9-O-[3-(carboxymethoxy)-5-(methoxycarbonyl)phenyl]-1,7,8-trideoxy-3,4,5-tris-O-(phenylmethyl)- (9CI)  
MF C40 H44 O10

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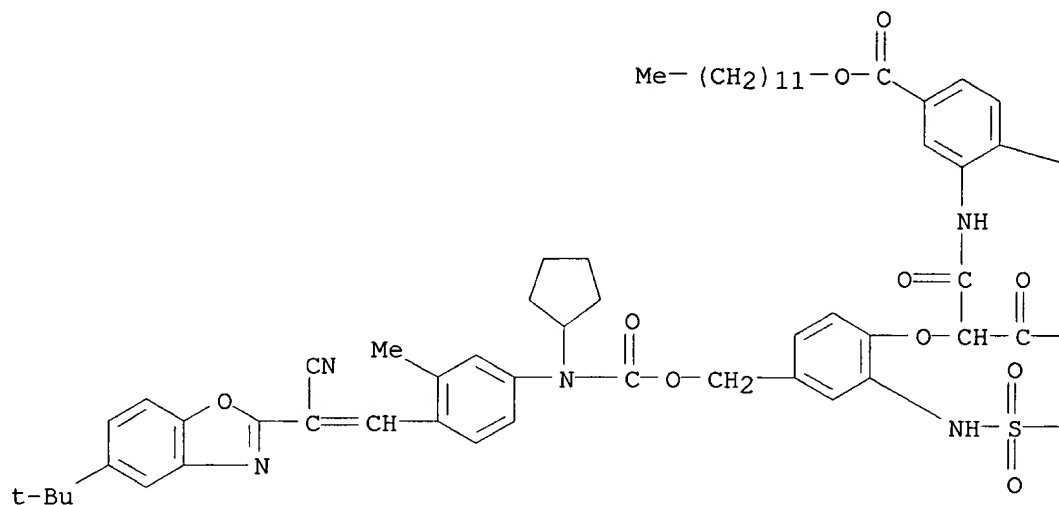
Absolute stereochemistry.



L3 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
IN Butanamide, 2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-N-[4-  
[[ (hydroxyamino) carbonyl] amino]-3,5-dimethylphenyl]- (9CI)  
MF C29 H43 N3 O4

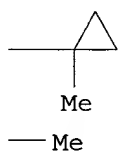


L3 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
IN Benzoic acid, 4-chloro-3-[[2-[4-[[[[4-[2-cyano-2-[5-(1,1-dimethylethyl)-2-  
benzoxazolyl]ethenyl]-3-methylphenyl]cyclopentylamino]carbonyl]oxy]methyl]-  
2-[(methylsulfonyl)amino]phenoxy]-3-(1-methylcyclopropyl)-1,3-  
dioxopropyl]amino]-, dodecyl ester (9CI)  
MF C61 H74 Cl N5 O10 S

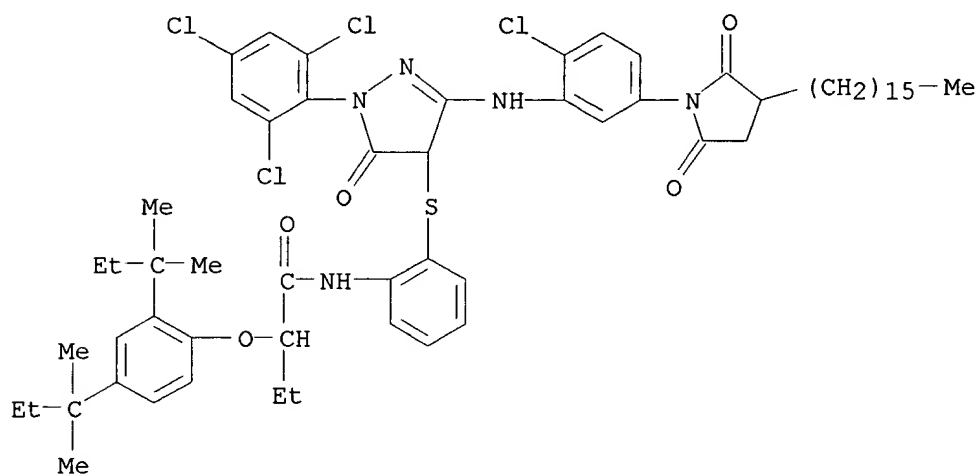


PAGE 1-B

- c1



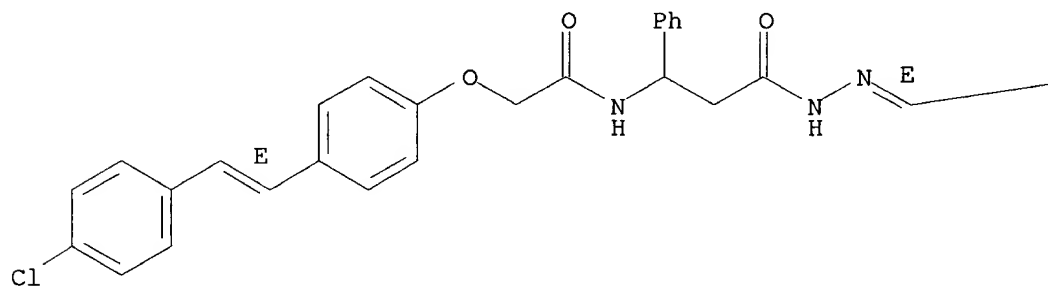
```
L3 50 ANSWERS   REGISTRY   COPYRIGHT 2000 ACS
IN  Butanamide, 2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-N-[2-[[3-[[2-chloro-5-
   (3-hexadecyl-2,5-dioxo-1-pyrrolidinyl)phenyl]amino]-4,5-dihydro-5-oxo-1-
MF  (2,4,6-trichlorophenyl)-1H-pyrazol-4-yl]thio]phenyl]- (9CI)
   C61 H79 Cl4 N5 O5 S
```



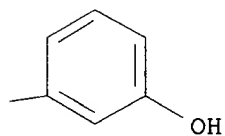
L3 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
 IN Benzenepropanoic acid, .beta.-[[[4-[(1E)-2-(4-chlorophenyl)ethenyl]phenoxy]acetyl]amino]-, (2E)-[(3-hydroxyphenyl)methylene]hydrazide (9CI)  
 MF C32 H28 Cl N3 O4

Double bond geometry as shown.

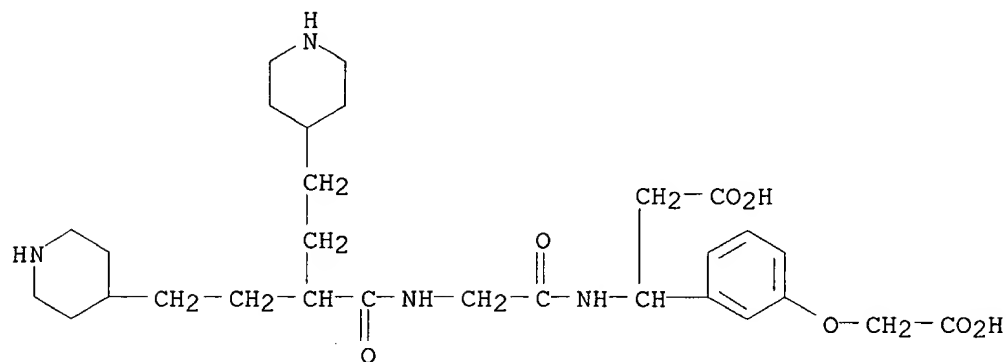
PAGE 1-A



PAGE 1-B

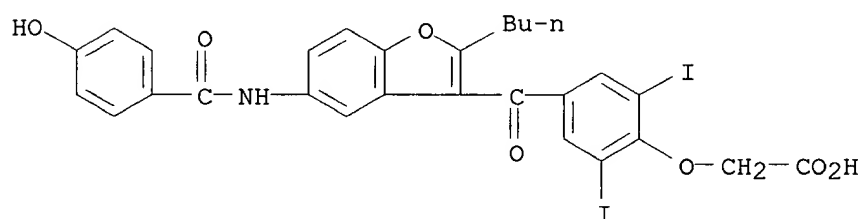


L3 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
 IN .beta.-Alanine, N-[1-oxo-4-(4-piperidiny1)-2-[2-(4-piperidiny1)ethyl]butyl]glycyl-3-[3-(carboxymethoxy)phenyl]-, dihydrochloride (9CI)  
 MF C29 H44 N4 O7 . 2 Cl H



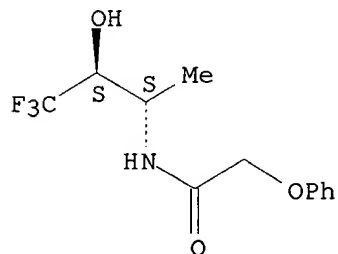
● 2 HCl

L3 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
 IN Acetic acid, [4-[[2-butyl-5-[(4-hydroxybenzoyl)amino]-3-benzofuranyl]carbonyl]-2,6-diiodophenoxy]- (9CI)  
 MF C28 H23 I2 N O7



L3 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
 IN Acetamide, 2-phenoxy-N-(3,3,3-trifluoro-2-hydroxy-1-methylpropyl)-, [S-(R\*,R\*)]- (9CI)  
 MF C12 H14 F3 N O3

Absolute stereochemistry.



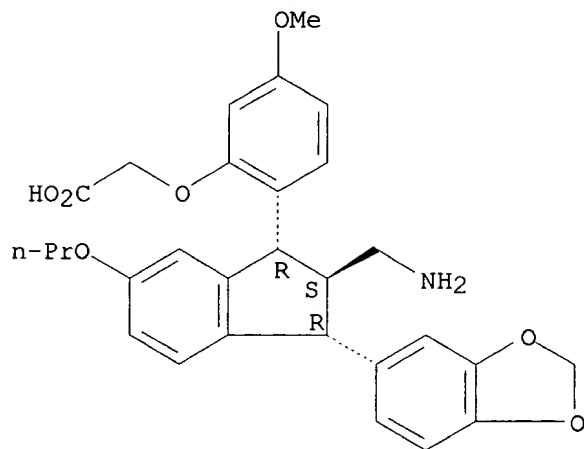
L3 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
 IN Acetic acid, [2-[(1R,2S,3R)-2-(aminomethyl)-3-(1,3-benzodioxol-5-yl)-2,3-



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dihydro-6-propoxy-1H-inden-1-yl]-5-methoxyphenoxy]-, rel- (9CI)  
MF C29 H31 N O7

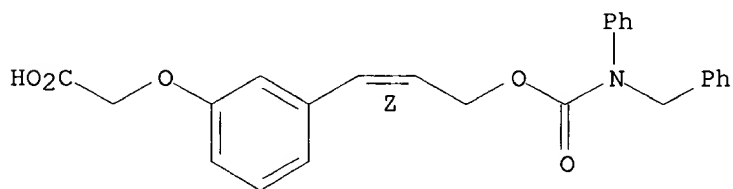
Relative stereochemistry.



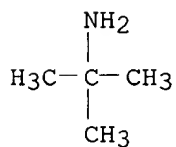
L3 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
IN Acetic acid, [3-[(1Z)-3-[[[phenyl(phenylmethyl)amino]carbonyl]oxy]-1-propenyl]phenoxy]-, compd. with 2-methyl-2-propanamine (1:1) (9CI)  
MF C25 H23 N O5 . C4 H11 N

CM 1

Double bond geometry as shown.



CM 2



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

=> log y

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.90	1.05

STN INTERNATIONAL LOGOFF AT 15:33:56 ON 05 OCT 2000

Trying 3106016892...Open

Welcome to STN International! Enter x:x  
LOGINID:sssptal611bxv  
PASSWORD:  
TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
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NEWS 7	Sep 11	Textile Technology Digest (TEXTILETECH) now available on STN
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NEWS 9	Sep 29	The Philippines Inventory of Chemicals and Chemical Substances (PICCS) has been added to CHEMLIST
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FILE 'HOME' ENTERED AT 15:36:51 ON 05 OCT 2000

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.15	0.15

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FILE 'REGISTRY' ENTERED AT 15:36:55 ON 05 OCT 2000  
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DICTIONARY FILE UPDATES: 4 OCT 2000 HIGHEST RN 292819-21-7

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 11, 2000

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT  
for details.

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 963

L1 SCREEN CREATED

=>

Uploading c:\stnexp4\queries\09543703.str

L2 STRUCTURE UPLOADED

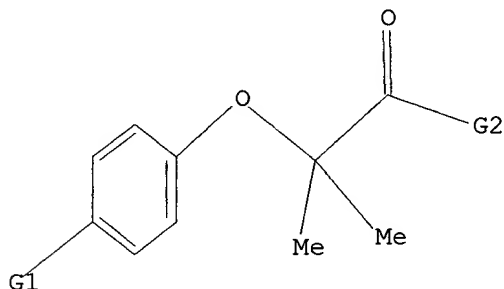
=> que L2 AND L1

L3 QUE L2 AND L1

=> d 12

L2 HAS NO ANSWERS

L2 STR



G1 C,H,O,N

G2 N,OH

Structure attributes must be viewed using STN Express query preparation.

=> s 12 sss sam

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SAMPLE SEARCH INITIATED 15:37:27 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 987 TO ITERATE

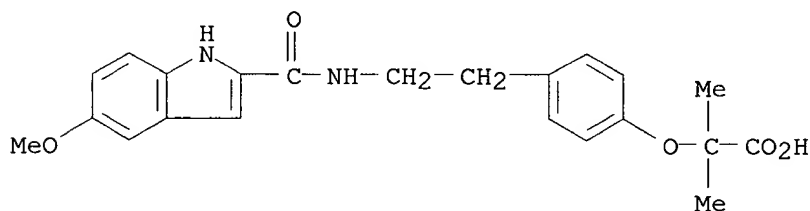
100.0% PROCESSED 987 ITERATIONS 50 ANSWERS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 17856 TO 21624  
PROJECTED ANSWERS: 801 TO 1759

L4 50 SEA SSS SAM L2

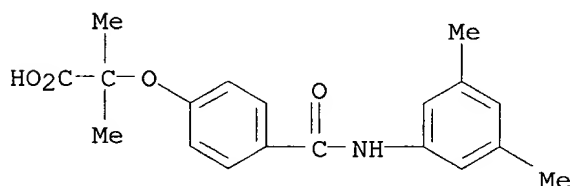
=> d scan 14

L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
IN Propanoic acid, 2-[4-[2-[[5-methoxy-1H-indol-2-yl)carbonyl]amino]ethyl]phenoxy]-2-methyl- (9CI)  
MF C22 H24 N2 O5



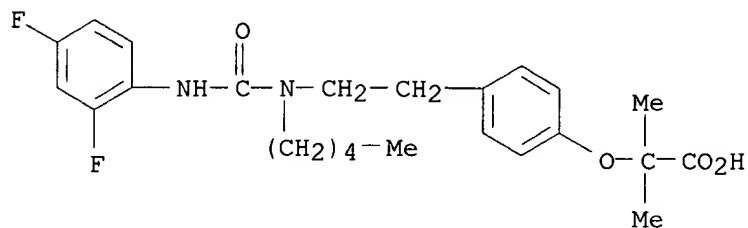
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
IN Propanoic acid, 2-[4-[[3,5-dimethylphenyl)amino]carbonyl]phenoxy]-2-methyl- (9CI)  
MF C19 H21 N O4

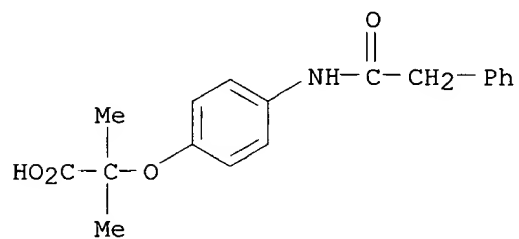


L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
IN Propanoic acid, 2-[4-[2-[[[2,4-difluorophenyl)amino]carbonyl]pentylamino]ethyl]phenoxy]-2-methyl- (9CI)  
MF C24 H30 F2 N2 O4

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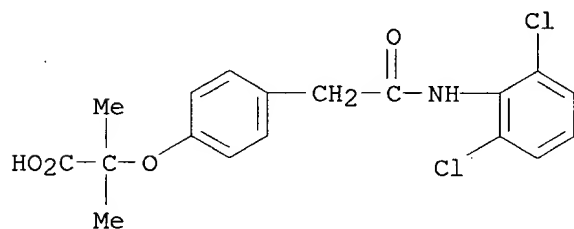


L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
 IN Propanoic acid, 2-methyl-2-[4-[(phenylacetyl)amino]phenoxy]-, monosodium salt (9CI)  
 MF C18 H19 N O4 . Na



● Na

L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
 IN Propanoic acid, 2-[4-[2-[(2,6-dichlorophenyl)amino]-2-oxoethyl]phenoxy]-2-methyl-, monosodium salt (9CI)  
 MF C18 H17 Cl2 N O4 . Na

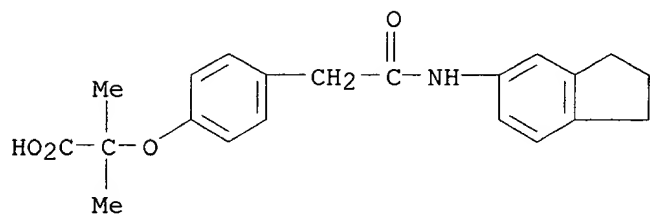


● Na

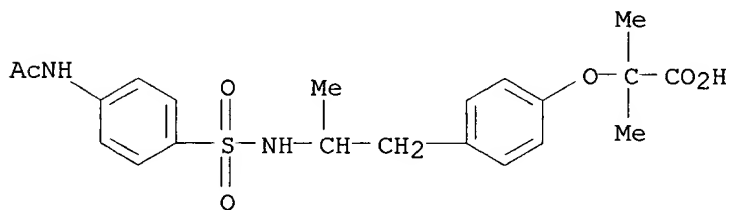
L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
 IN Propanoic acid, 2-[4-[2-[(2,3-dihydro-1H-inden-5-yl)amino]-2-oxoethyl]phenoxy]-2-methyl- (9CI)

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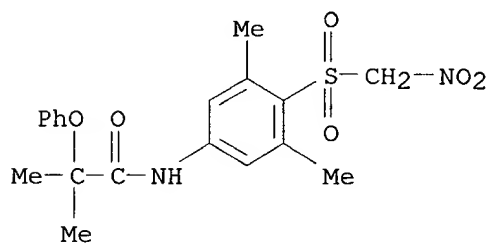
MF C21 H23 N O4  
CI COM



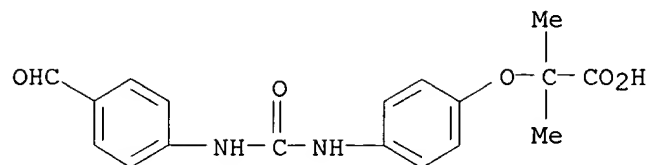
L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
IN Propanoic acid, 2-[4-[2-[[[4-(acetylamino)phenyl]sulfonyl]amino]propyl]phenoxy]-2-methyl- (9CI)  
MF C21 H26 N2 O6 S  
CI COM



L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
IN Propanamide, N-[3,5-dimethyl-4-[(nitromethyl)sulfonyl]phenyl]-2-methyl-2-phenoxy- (9CI)  
MF C19 H22 N2 O6 S



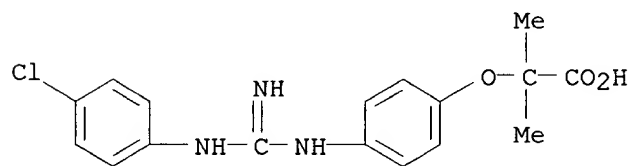
L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
IN Propanoic acid, 2-[4-[[[(4-formylphenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI)  
MF C18 H18 N2 O5



L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS

IN Propanoic acid, 2-[4-[[[(4-chlorophenyl)amino]iminomethyl]amino]phenoxy]-2-methyl- (9CI)

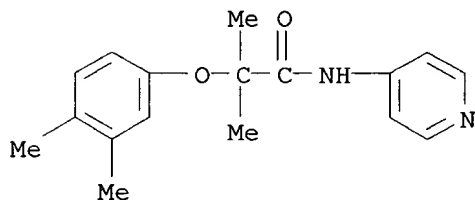
MF C17 H18 Cl N3 O3



L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS

IN Propanamide, 2-(3,4-dimethylphenoxy)-2-methyl-N-4-pyridinyl- (9CI)

MF C17 H20 N2 O2



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

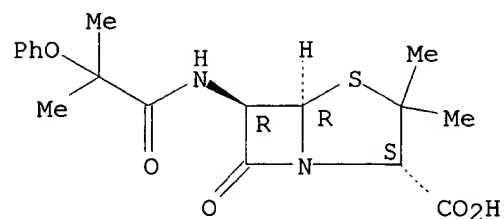
L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS

IN 4-Thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 3,3-dimethyl-6-(2-methyl-2-phenoxypropionamido)-7-oxo-, sodium salt (7CI)

MF C18 H22 N2 O5 S . Na

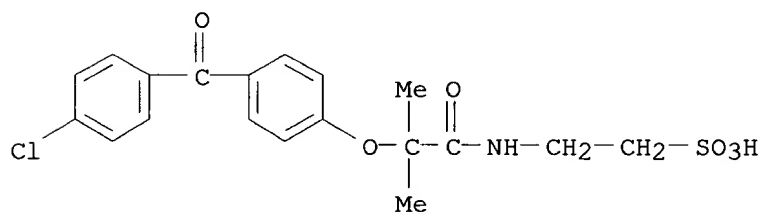
Absolute stereochemistry.

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● Na

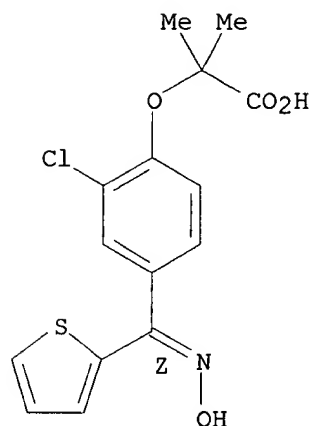
L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
IN Ethanesulfonic acid, 2-[[2-[4-(4-chlorobenzoyl)phenoxy]-2-methyl-1-oxopropyl]amino]- (9CI)  
MF C19 H20 Cl N O6 S  
CI COM



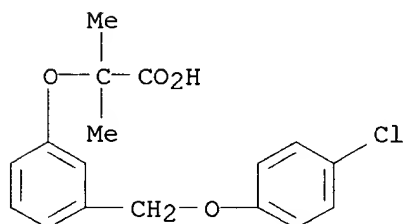
L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
IN Propanoic acid, 2-[2-chloro-4-[(hydroxyimino)-2-thienylmethyl]phenoxy]-2-methyl-, (Z)- (9CI)  
MF C15 H14 Cl N O4 S

Double bond geometry as shown.

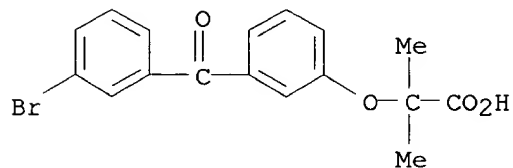




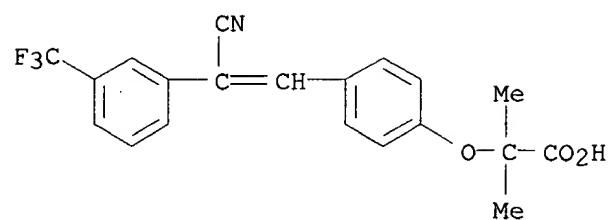
L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
 IN Propanoic acid, 2-[3-[(4-chlorophenoxy)methyl]phenoxy]-2-methyl- (9CI)  
 MF C17 H17 Cl O4



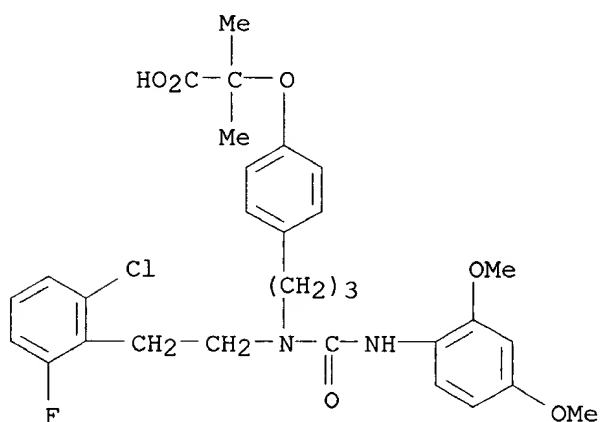
L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
 IN Propanoic acid, 2-[3-(3-bromobenzoyl)phenoxy]-2-methyl- (9CI)  
 MF C17 H15 Br O4



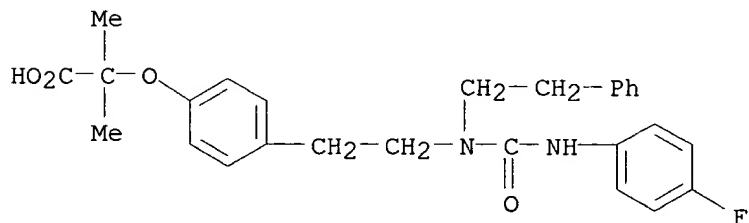
L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
 IN Propanoic acid, 2-[4-[2-cyano-2-[3-(trifluoromethyl)phenyl]ethenyl]phenoxy]-2-methyl- (9CI)  
 MF C20 H16 F3 N O3



L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
 IN Propanoic acid, 2-[4-[3-[[2-(2-chloro-6-fluorophenyl)ethyl] [(2,4-dimethoxyphenyl)amino]carbonyl]propyl]phenoxy]-2-methyl- (9CI)  
 MF C30 H34 Cl F N2 O6



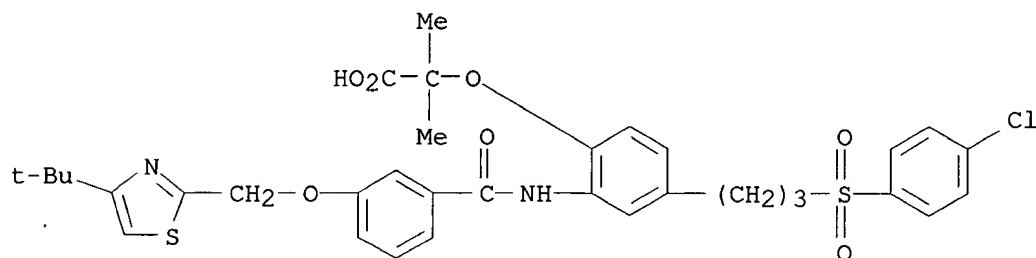
L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
 IN Propanoic acid, 2-[4-[2-[[[4-fluorophenyl]amino]carbonyl] (2-phenylethyl)amino]ethyl]phenoxy]-2-methyl- (9CI)  
 MF C27 H29 F N2 O4



L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
 IN Propanoic acid, 2-[4-[3-[[4-chlorophenyl]sulfonyl]propyl]-2-[[3-[[4-(1,1-dimethylethyl)-2-thiazolyl]methoxy]benzoyl]amino]phenoxy]-2-methyl- (9CI)

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MF C34 H37 Cl N2 O7 S2

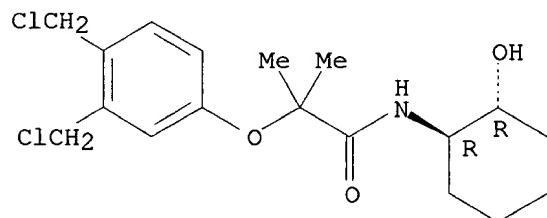


L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS

IN Propanamide, 2-[3,4-bis(chloromethyl)phenoxy]-N-(2-hydroxycyclohexyl)-2-methyl-, trans- (9CI)

MF C18 H25 Cl2 N O3

Relative stereochemistry.

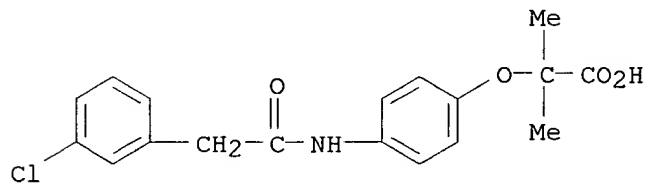


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS

IN Propanoic acid, 2-[4-[[ (3-chlorophenyl)acetyl]amino]phenoxy]-2-methyl-, monosodium salt (9CI)

MF C18 H18 Cl N O4 . Na



● Na

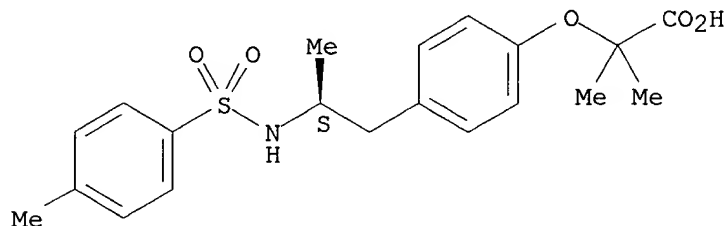
L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS

09/825,925

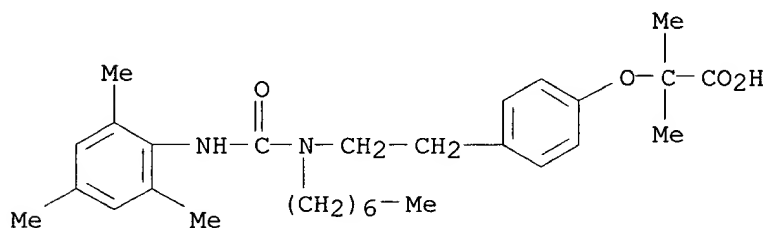
V. Balasubramanian

IN Propanoic acid, 2-methyl-2-[4-[2-[[ (4-methylphenyl) sulfonyl] amino]propyl]p  
henoxy]-, (S)- (9CI)  
MF C20 H25 N O5 S  
CI COM

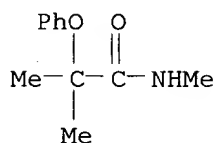
Absolute stereochemistry.



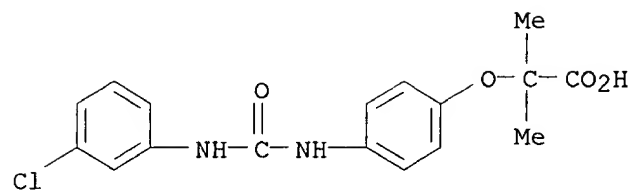
L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
IN Propanoic acid, 2-[4-[2-[heptyl[[ (2,4,6-trimethylphenyl) amino] carbonyl] ami  
no]ethyl]phenoxy]-2-methyl- (9CI)  
MF C29 H42 N2 O4



L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
IN Propanamide, N,2-dimethyl-2-phenoxy- (9CI)  
MF C11 H15 N O2

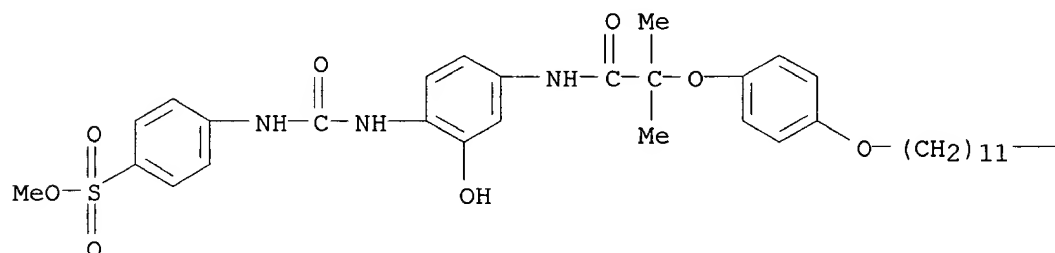


L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
IN Propanoic acid, 2-[4-[[[ (3-chlorophenyl) amino] carbonyl] amino]phenoxy]-2-  
methyl- (9CI)  
MF C17 H17 Cl N2 O4



L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
 IN Benzenesulfonic acid, 4-[[[4-[[2-[4-(dodecyloxy)phenoxy]-2-methyl-1-oxopropyl]amino]-2-hydroxyphenyl]amino]carbonyl]amino]-, methyl ester (9CI)  
 MF C36 H49 N3 O8 S

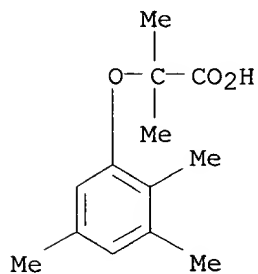
PAGE 1-A



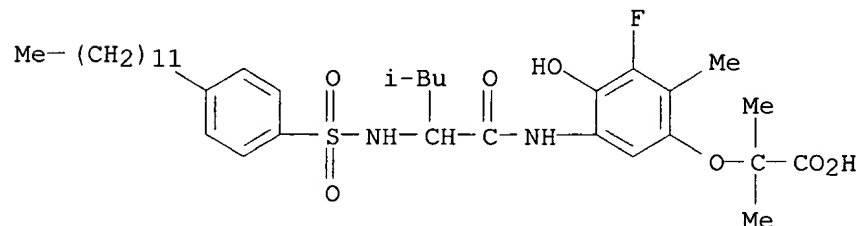
PAGE 1-B

— Me

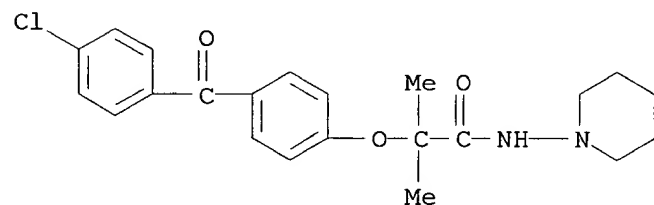
L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
 IN Propanoic acid, 2-methyl-2-(2,3,5-trimethylphenoxy)- (9CI)  
 MF C13 H18 O3



L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
 IN Propanoic acid, 2-[5-[[2-[[[(4-dodecylphenyl)sulfonyl]amino]-4-methyl-1-oxopentyl]amino]-3-fluoro-4-hydroxy-2-methylphenoxy]-2-methyl- (9CI)  
 MF C35 H53 F N2 O7 S



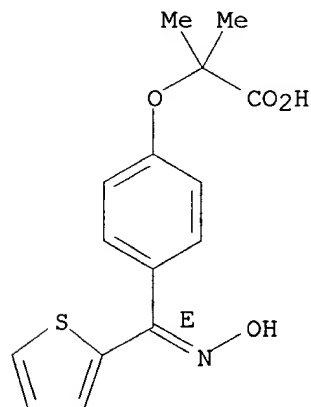
L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
 IN Propanamide, 2-[4-(4-chlorobenzoyl)phenoxy]-2-methyl-N-1-piperidinyl- (9CI)  
 MF C22 H25 Cl N2 O3



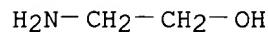
L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
 IN Propanoic acid, 2-[4-[(hydroxyimino)-2-thienylmethyl]phenoxy]-2-methyl-, (E)-, compd. with 2-aminoethanol (1:1) (9CI)  
 MF C15 H15 N O4 S . C2 H7 N O

CM 1

Double bond geometry as shown.

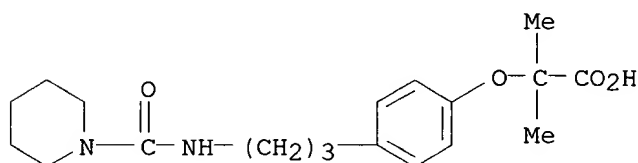


CM 2

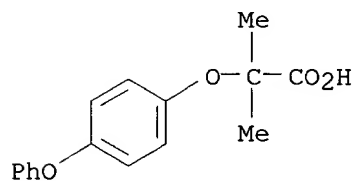


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

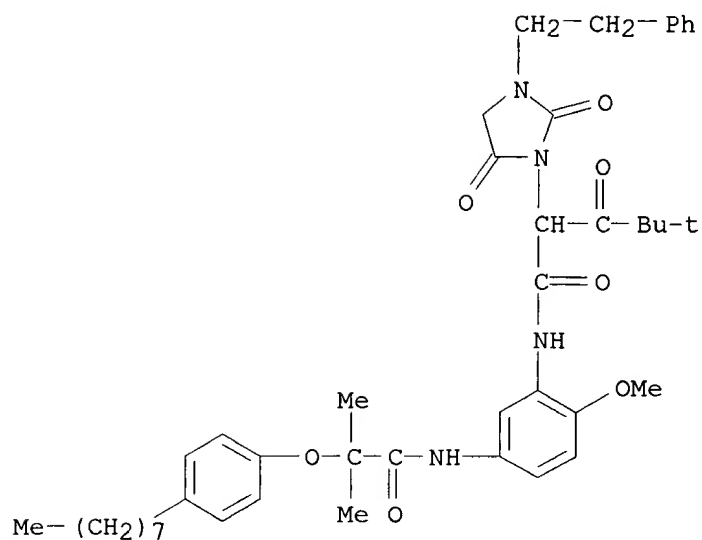
L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
IN Propanoic acid, 2-methyl-2-[4-[3-[(1-piperidinylcarbonyl)amino]propyl]phenoxy]- (9CI)  
MF C19 H28 N2 O4  
CI COM



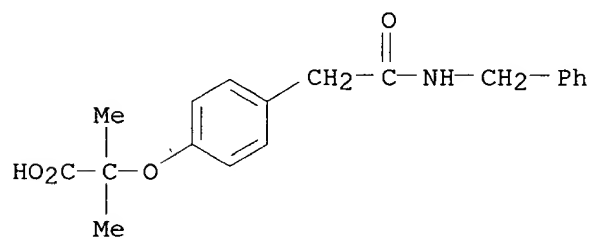
L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
IN Propanoic acid, 2-methyl-2-(4-phenoxyphenoxy)- (9CI)  
MF C16 H16 O4



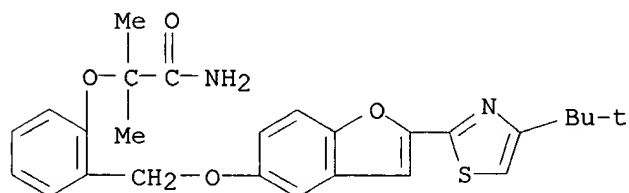
L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
IN 1-Imidazolidineacetamide, .alpha.-(2,2-dimethyl-1-oxopropyl)-N-[2-methoxy-5-[[2-methyl-2-(4-octylphenoxy)-1-oxopropyl]amino]phenyl]-2,5-dioxo-3-(2-phenylethyl)- (9CI)  
MF C43 H56 N4 O7



L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
 IN Propanoic acid, 2-methyl-2-[4-[2-oxo-2-[(phenylmethyl)amino]ethyl]phenoxy]-  
 (9CI)  
 MF C19 H21 N O4



L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
 IN Propanamide, 2-[2-[[[2-[4-(1,1-dimethylethyl)-2-thiazolyl]-5-benzofuranyl]oxy]methyl]phenoxy]-2-methyl- (9CI)  
 MF C26 H28 N2 O4 S

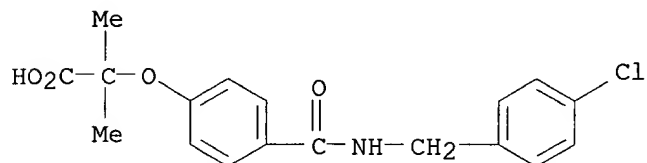


L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS



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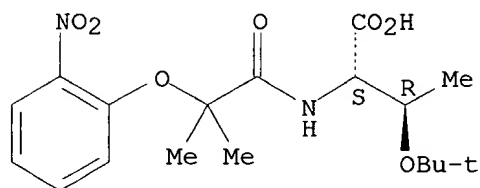
IN Propanoic acid, 2-[4-[[[(4-chlorophenyl)methyl]amino]carbonyl]phenoxy]-2-methyl-, monosodium salt (9CI)  
MF C18 H18 Cl N O4 . Na



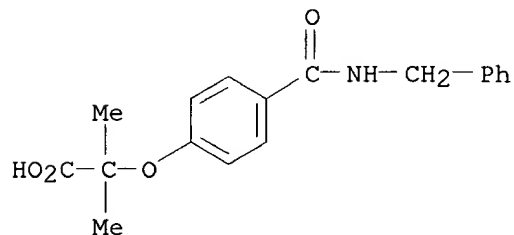
● Na

L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
IN L-Threonine, O-(1,1-dimethylethyl)-N-[2-methyl-2-(2-nitrophenoxy)-1-oxopropyl]- (9CI)  
MF C18 H26 N2 O7

Absolute stereochemistry.



L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
IN Propanoic acid, 2-methyl-2-[4-[[[(phenylmethyl)amino]carbonyl]phenoxy]- (9CI)  
MF C18 H19 N O4  
CI COM

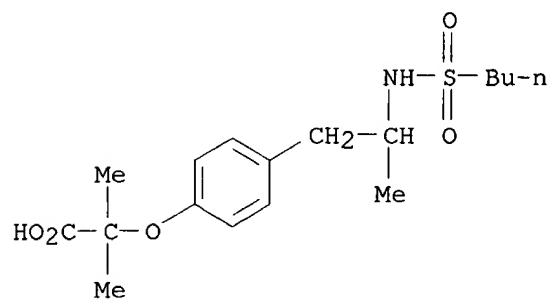


L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
IN Propanoic acid, 2-[4-[2-[(butylsulfonyl)amino]propyl]phenoxy]-2-methyl-, monosodium salt (9CI)

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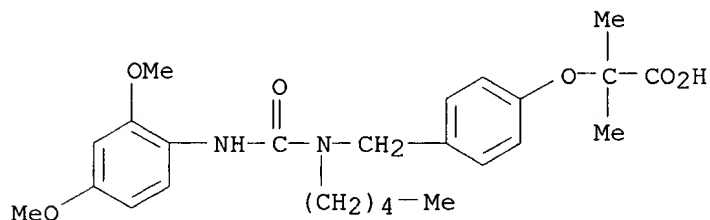
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MF C17 H27 N O5 S . Na



● Na

L4 50 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
IN Propanoic acid, 2-[4-[[[(2,4-dimethoxyphenyl)amino]carbonyl]pentylamino]methyl]phenoxy]-2-methyl- (9CI)  
MF C25 H34 N2 O6



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.90

1.05

STN INTERNATIONAL LOGOFF AT 15:38:41 ON 05 OCT 2000

Trying 3106016892...Open

Welcome to STN International! Enter x:x

LOGINID:sssptal611bxv

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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DIOGENES  
NEWS 3 Aug 21 CAS patent coverage expanded  
NEWS 4 Aug 24 TABULATE Now Available in More STN Databases  
NEWS 5 Aug 28 MEDLINE from 1958 to Date - Only on STN  
NEWS 6 Sep 7 DGENE GETSIM ALERT: Similarity Current-Awareness  
Searching of Biosequences  
NEWS 7 Sep 11 Textile Technology Digest (TEXTILETECH) now available  
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Substances (PICCS) has been added to CHEMLIST

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FILE 'HOME' ENTERED AT 15:52:45 ON 05 OCT 2000

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.15	0.15

FILE 'REGISTRY' ENTERED AT 15:52:50 ON 05 OCT 2000  
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DICTIONARY FILE UPDATES: 4 OCT 2000 HIGHEST RN 292819-21-7

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 11, 2000

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT

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for details.

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 963

L1 SCREEN CREATED

=>

Uploading c:\stnexp4\queries\09543703.str

L2 STRUCTURE UPLOADED

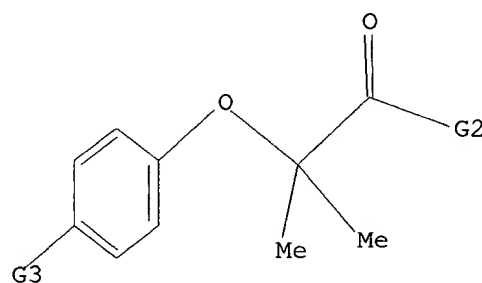
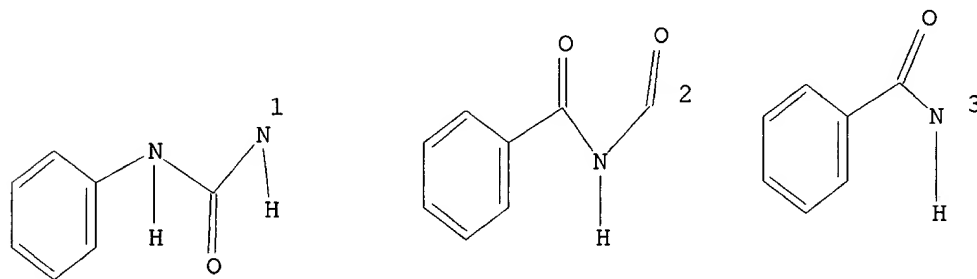
=> que L2 AND L1

L3 QUE L2 AND L1

=> d 12

L2 HAS NO ANSWERS

L2 STR



G1 C,H,O,N

G2 N,OH

G3 [01],[02],[03]

Structure attributes must be viewed using STN Express query preparation.

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=> s l2 sss sam

SAMPLE SEARCH INITIATED 15:53:35 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 7 TO ITERATE

100.0% PROCESSED 7 ITERATIONS  
SEARCH TIME: 00.00.01

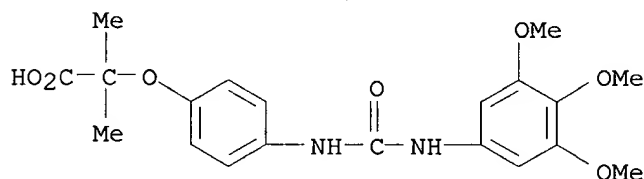
3 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 7 TO 298  
PROJECTED ANSWERS: 3 TO 163

L4 3 SEA SSS SAM L2

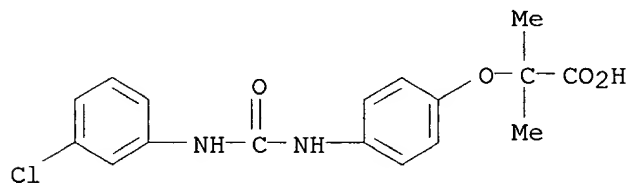
=> d scan l4

L4 3 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
IN Propanoic acid, 2-methyl-2-[4-[[[(3,4,5-trimethoxyphenyl)amino]carbonyl]amino]phenoxy]- (9CI)  
MF C20 H24 N2 O7



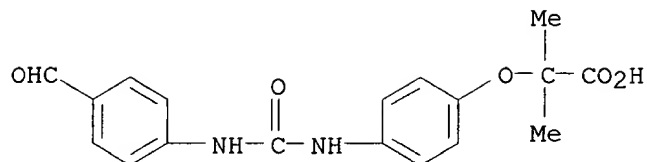
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L4 3 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
IN Propanoic acid, 2-[4-[[[(3-chlorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI)  
MF C17 H17 Cl N2 O4



L4 3 ANSWERS REGISTRY COPYRIGHT 2000 ACS  
IN Propanoic acid, 2-[4-[[[(4-formylphenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI)  
MF C18 H18 N2 O5

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ALL ANSWERS HAVE BEEN SCANNED

=> s l2 sss ful

FULL SEARCH INITIATED 15:54:07 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 136 TO ITERATE

100.0% PROCESSED 136 ITERATIONS 63 ANSWERS  
SEARCH TIME: 00.00.01

L5 63 SEA SSS FUL L2

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	126.60	126.75

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FILE COVERS 1967 - 5 Oct 2000 VOL 133 ISS 15  
FILE LAST UPDATED: 4 Oct 2000 (20001004/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

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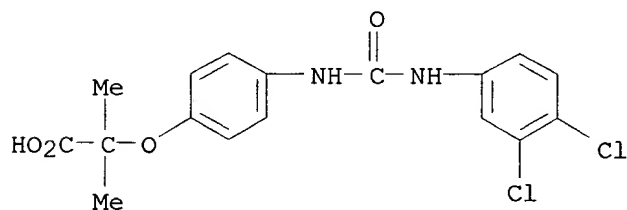
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L6 19 L5

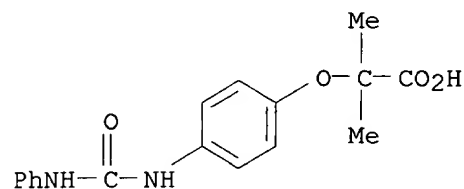
09/825,925

=> d l6 1-19 bib hitstr

L6 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2000 ACS  
AN 1999:697456 CAPLUS  
DN 132:44918  
TI Novel Inhibitors of Advanced Glycation Endproducts. [Erratum to document  
cited in CA131:317717]  
AU Rahbar, Samuel; Yernini, Kiran Kumar V.; Scott, Stephen; Gonzales, Noe;  
Lalezari, Iraj  
CS Dep. Diabetes, Endocrinology & Metabolism, City of Hope National Medical  
Center, Duarte, CA, 91010-0269, USA  
SO Biochem. Biophys. Res. Commun. (1999), 264(3), 1008  
CODEN: BBRC99; ISSN: 0006-291X  
PB Academic Press  
DT Journal  
LA English  
IT 117011-50-4 121809-57-2 121809-58-3  
121809-65-2 121809-67-4 121809-68-5  
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121809-80-1 121809-82-3 121809-83-4  
121809-84-5 121809-85-6 121809-89-0  
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249513-69-7 249513-70-0 249513-71-1  
249513-72-2 249513-73-3 249513-74-4  
249513-76-6 249513-77-7 249513-80-2  
249513-81-3 249513-83-5 249513-84-6  
RL: BAC (Biological activity or effector, except adverse); THU  
(Therapeutic use); BIOL (Biological study); USES (Uses)  
(novel inhibitors of advanced glycation endproducts (Erratum))  
RN 117011-50-4 CAPLUS  
CN Propanoic acid, 2-[4-[[[(3,4-dichlorophenyl)amino]carbonyl]amino]phenoxy]-  
2-methyl- (9CI) (CA INDEX NAME)

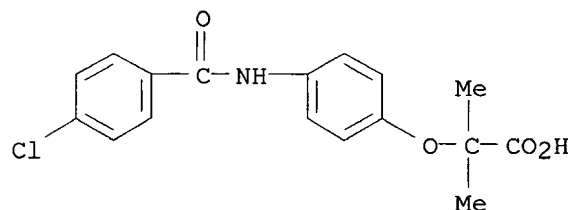


RN 121809-57-2 CAPLUS  
CN Propanoic acid, 2-methyl-2-[4-[[[(phenylamino)carbonyl]amino]phenoxy]-  
(9CI) (CA INDEX NAME)



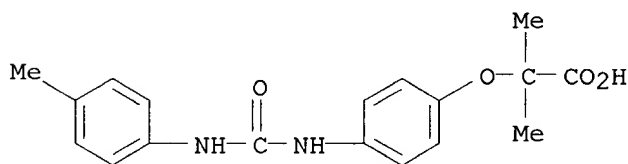
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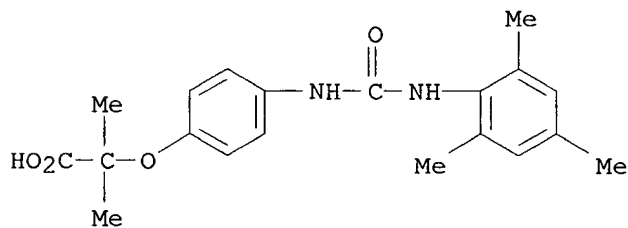
RN 121809-65-2 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[(4-methylphenyl)amino]carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)



RN 121809-67-4 CAPLUS

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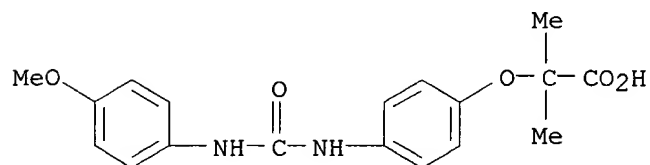


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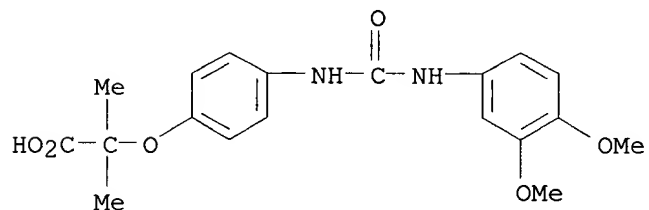


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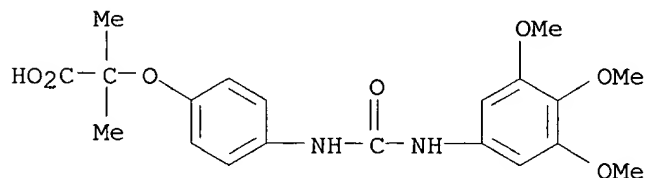
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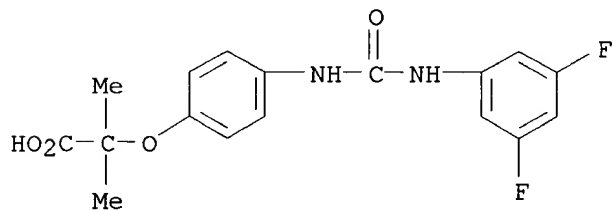
RN 121809-70-9 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[(3,4,5-trimethoxyphenyl)amino]carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)



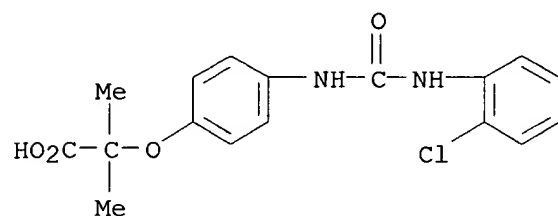
RN 121809-73-2 CAPLUS

CN Propanoic acid, 2-[4-[[[(3,5-difluorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



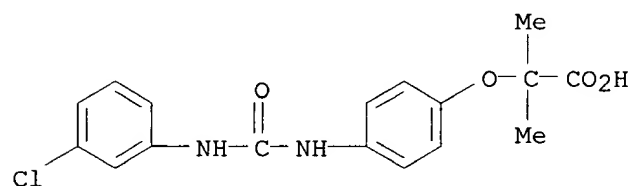
RN 121809-74-3 CAPLUS

CN Propanoic acid, 2-[4-[[[(2-chlorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



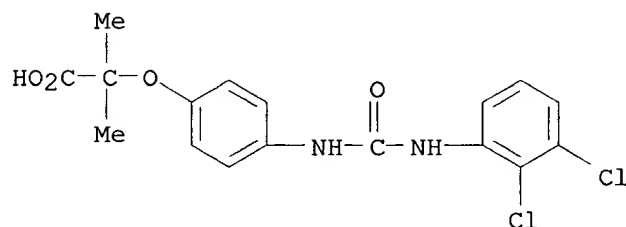
RN 121809-75-4 CAPLUS

CN Propanoic acid, 2-[4-[[[(3-chlorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



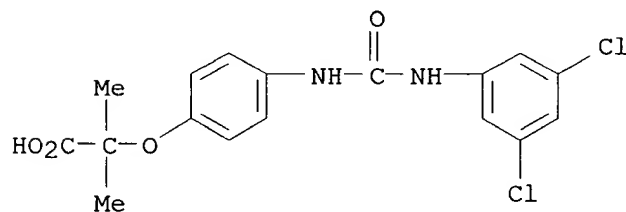
RN 121809-77-6 CAPLUS

CN Propanoic acid, 2-[4-[[[(2,3-dichlorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



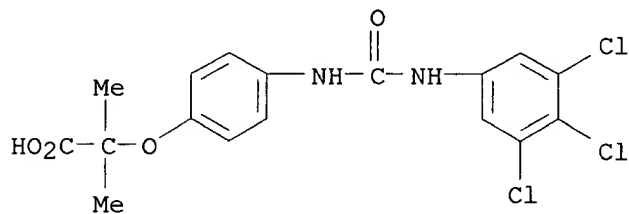
RN 121809-80-1 CAPLUS

CN Propanoic acid, 2-[4-[[[(3,5-dichlorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



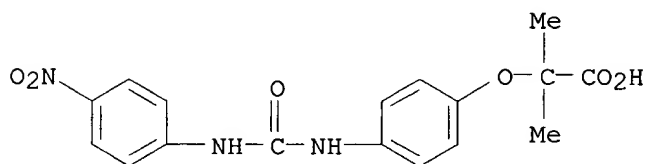
RN 121809-82-3 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[(3,4,5-trichlorophenyl)amino]carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)



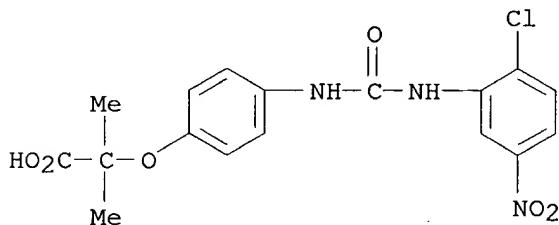
RN 121809-83-4 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[(4-nitrophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



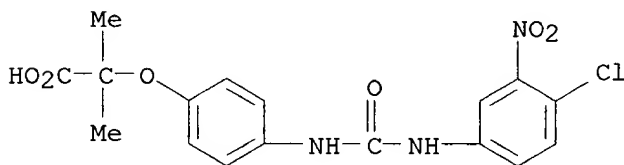
RN 121809-84-5 CAPLUS

CN Propanoic acid, 2-[4-[[[(2-chloro-5-nitrophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



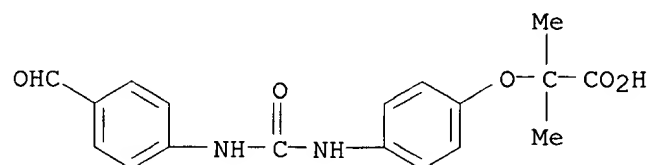
RN 121809-85-6 CAPLUS

CN Propanoic acid, 2-[4-[[[(4-chloro-3-nitrophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



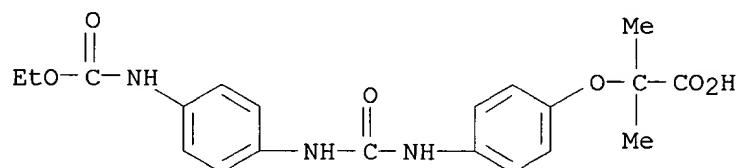
RN 121809-89-0 CAPLUS

CN Propanoic acid, 2-[4-[[[(4-formylphenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



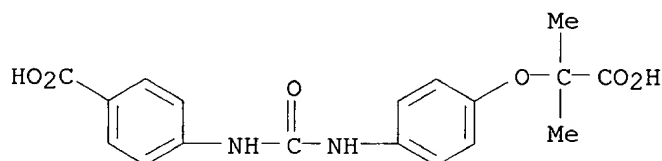
RN 121809-90-3 CAPLUS

CN Propanoic acid, 2-[4-[[[4-(ethoxycarbonyl)amino]phenyl]amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



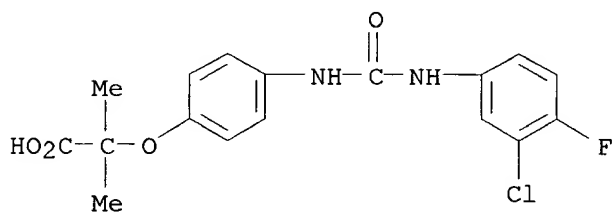
RN 121809-94-7 CAPLUS

CN Benzoic acid, 4-[[[4-(1-carboxy-1-methylethoxy)phenyl]amino]carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)



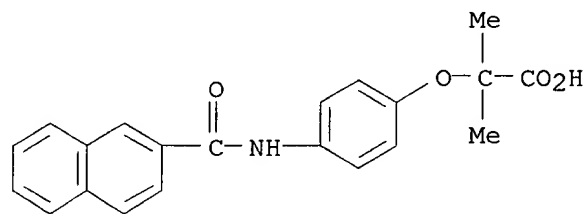
RN 157580-09-1 CAPLUS

CN Propanoic acid, 2-[4-[[[3-chloro-4-fluorophenyl]amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



RN 249513-62-0 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[(2-naphthalenylcarbonyl)amino]phenoxy]- (9CI) (CA INDEX NAME)

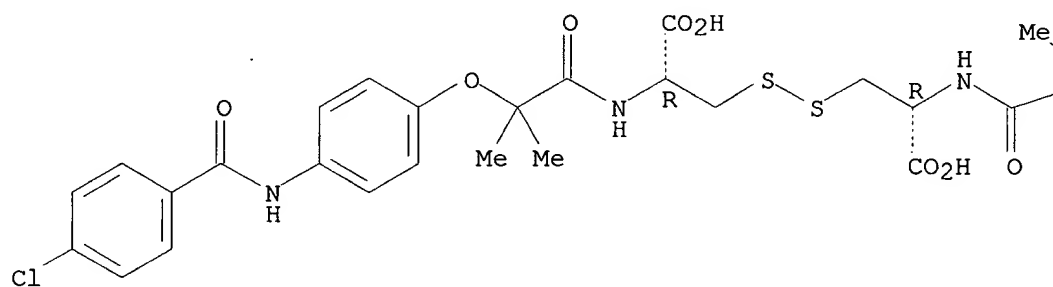


RN 249513-66-4 CAPLUS

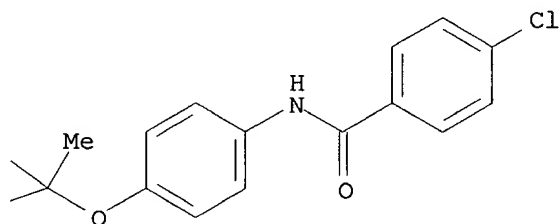
CN L-Cystine, N,N'-bis[2-[4-[(4-chlorobenzoyl)amino]phenoxy]-2-methyl-1-oxopropyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

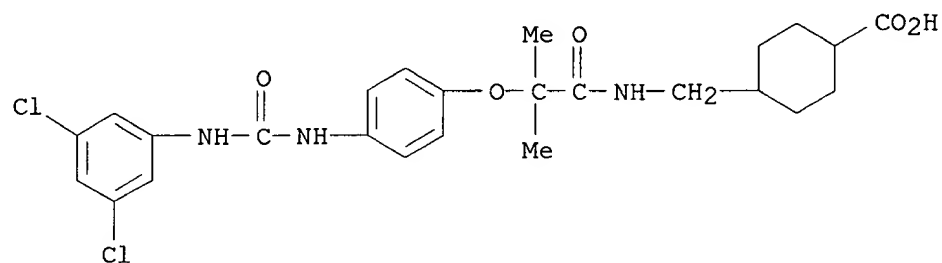


PAGE 1-B



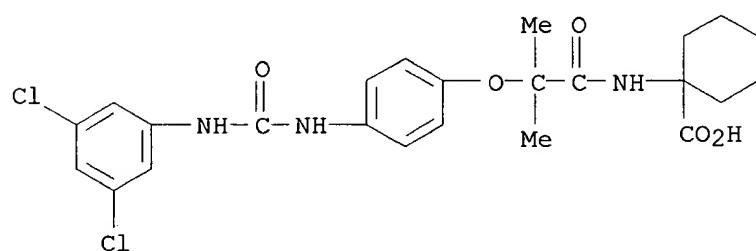
RN 249513-67-5 CAPLUS

CN Cyclohexanecarboxylic acid, 4-[[[2-[4-[[[(3,5-dichlorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl-1-oxopropyl]amino]methyl]- (9CI) (CA INDEX NAME)



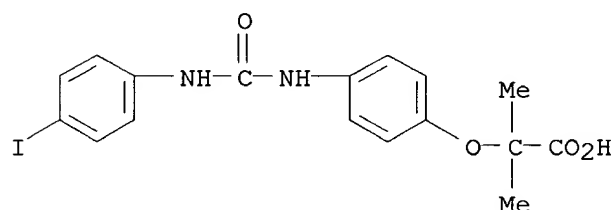
RN 249513-69-7 CAPLUS

CN Cyclohexanecarboxylic acid, 1-[[2-[4-[[[(3,5-dichlorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl-1-oxopropyl]amino]- (9CI) (CA INDEX NAME)



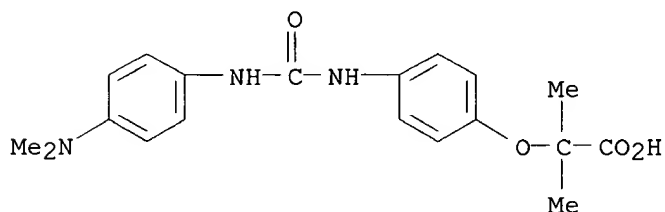
RN 249513-70-0 CAPLUS

CN Propanoic acid, 2-[4-[[[(4-iodophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



RN 249513-71-1 CAPLUS

CN Propanoic acid, 2-[4-[[[(4-(dimethylamino)phenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)

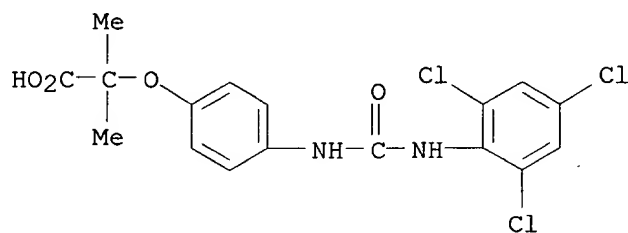


RN 249513-72-2 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[(2,4,6-trichlorophenyl)amino]carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)

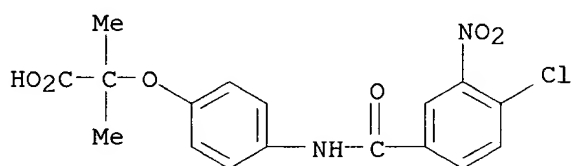
V. Balasubramanian

no]phenoxy]- (9CI) (CA INDEX NAME)



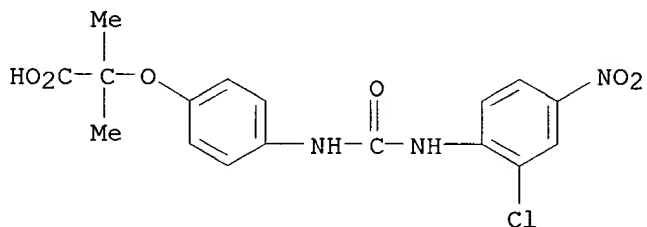
RN 249513-73-3 CAPLUS

CN Propanoic acid, 2-[4-[(4-chloro-3-nitrobenzoyl)amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



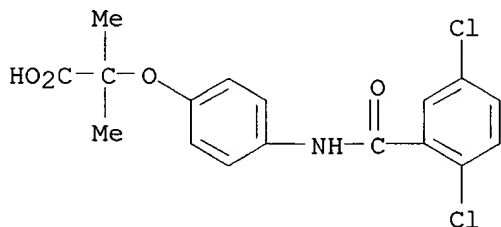
RN 249513-74-4 CAPLUS

CN Propanoic acid, 2-[4-[[[(2-chloro-4-nitrophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



RN 249513-76-6 CAPLUS

CN Propanoic acid, 2-[4-[(2,5-dichlorobenzoyl)amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)

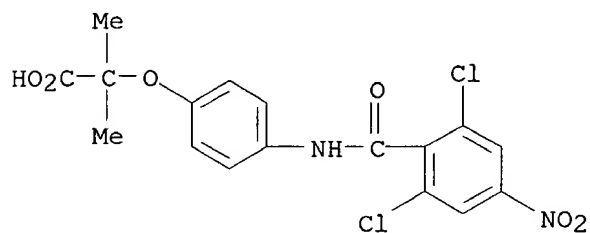


RN 249513-77-7 CAPLUS

CN Propanoic acid, 2-[4-[(2,6-dichloro-4-nitrobenzoyl)amino]phenoxy]-2-methyl-

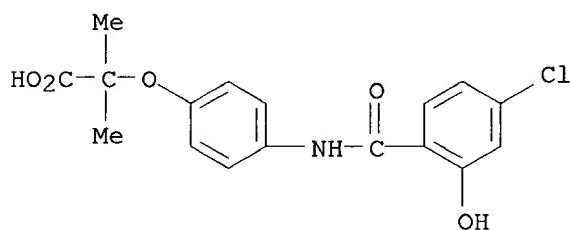
V. Balasubramanian

(9CI) (CA INDEX NAME)



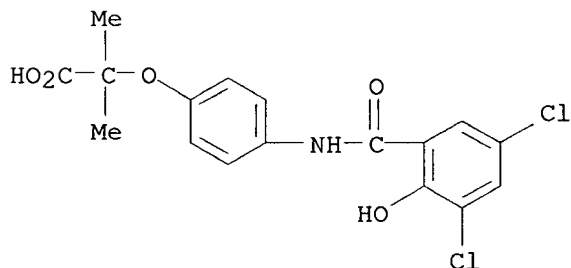
RN 249513-80-2 CAPLUS

CN Propanoic acid, 2-[4-[(4-chloro-2-hydroxybenzoyl)amino]phenoxy]-2-methyl-  
(9CI) (CA INDEX NAME)



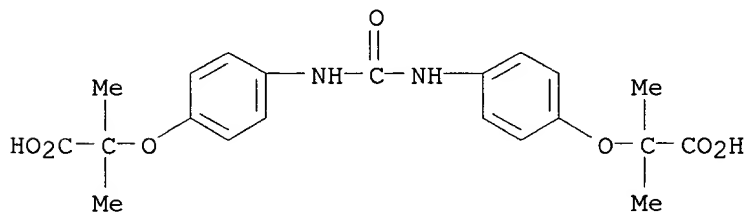
RN 249513-81-3 CAPLUS

CN Propanoic acid, 2-[4-[(3,5-dichloro-2-hydroxybenzoyl)amino]phenoxy]-2-methyl-  
(9CI) (CA INDEX NAME)



RN 249513-83-5 CAPLUS

CN Propanoic acid, 2,2'-[carbonylbis(imino-4,1-phenyleneoxy)]bis[2-methyl-  
(9CI) (CA INDEX NAME)

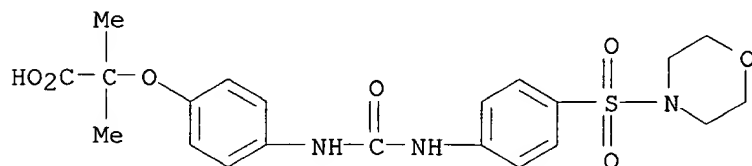




V. Balasubramanian

RN 249513-84-6 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[4-(4-morpholinylsulfonyl)phenyl]amino]carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)



L6 ANSWER 2 OF 19 CAPLUS COPYRIGHT 2000 ACS

AN 1999:691824 CAPLUS

DN 132:81

TI A new rapid method to detect inhibition of Amadori product generated by .delta.-gluconolactone

AU Rahbar, Samuel; Nadler, Jerry L.

CS Department of Diabetes, Endocrinology and Metabolism, Gonda Diabetes Center, City of Hope National Medical Center, Duarte, CA, 91010, USA

SO Clin. Chim. Acta (1999), 287(1-2), 123-130

CODEN: CCATAR; ISSN: 0009-8981

PB Elsevier Science Ireland Ltd.

DT Journal

LA English

IT 121809-57-2 157580-09-1 249513-72-2

249513-74-4

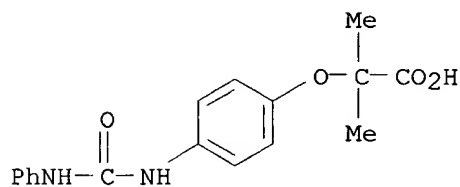
RL: BAC (Biological activity or effector, except adverse); THU

(Therapeutic use); BIOL (Biological study); USES (Uses)

(new rapid method to detect inhibition of Amadori product generated by .delta.-gluconolactone) 8

RN 121809-57-2 CAPLUS

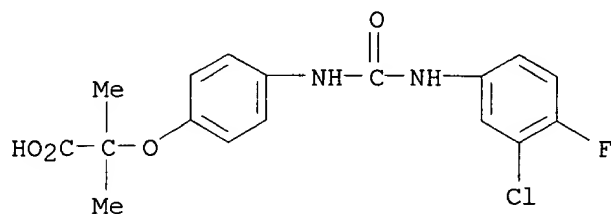
CN Propanoic acid, 2-methyl-2-[4-[(phenylamino)carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)



RN 157580-09-1 CAPLUS

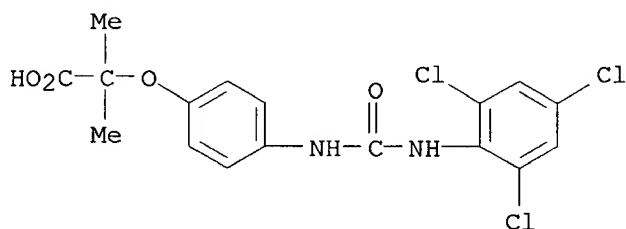
CN Propanoic acid, 2-[4-[[[(3-chloro-4-fluorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)

V. Balasubramanian



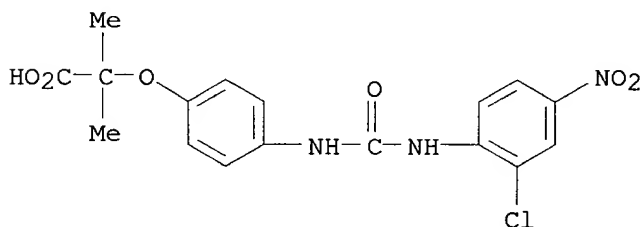
RN 249513-72-2 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[(2,4,6-trichlorophenyl)amino]carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)



RN 249513-74-4 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[(2-chloro-4-nitrophenyl)amino]carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)



RE.CNT 24

RE

(1) Bailey, A; Mech Aging Dev 1998, V106, P1 CAPLUS

(2) Baynes, J; Diabetes 1999, V48, P1 CAPLUS

(4) Booth, A; J Biol Chem 1997, V272, P5430 CAPLUS

(5) Brett, J; Am J Pathol 1993, V143, P1699 CAPLUS

(6) Bucala, R; Endocrinology cardiovascular function 1998, P159 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 19 CAPLUS COPYRIGHT 2000 ACS

AN 1999:635489 CAPLUS

DN 131:262584

TI Modified hemoglobin and its use as a component of an artificial blood substitute

IN Lalezari, Iraj; Lalezari, Parviz

PA Montefiore Medical Center, USA

SO U.S., 22 pp., Cont. of U.S. Ser. No. 380,097, abandoned.

CODEN: USXXAM

09/825,925

V. Balasubramanian

DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5962651	A	19991005	US 1997-903930	19970731
	US 6072072	A	20000606	US 1999-274072	19990322

PRAI US 1995-380097 19950127  
US 1997-903930 19970731

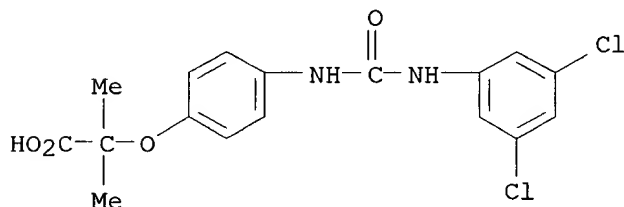
OS MARPAT 131:262584

IT **121809-80-1P 245075-84-7P 245075-86-9P**  
**245075-87-0P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of functional compds. for Hb modification for blood  
substitutes)

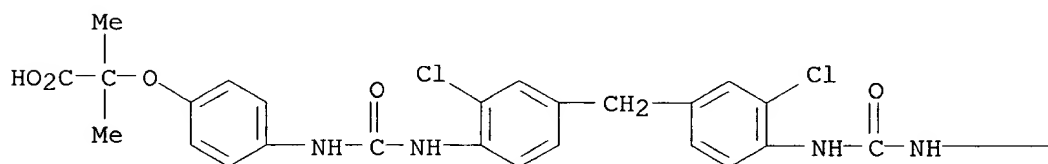
RN 121809-80-1 CAPLUS

CN Propanoic acid, 2-[4-[[[(3,5-dichlorophenyl)amino]carbonyl]amino]phenoxy]-  
2-methyl- (9CI) (CA INDEX NAME)

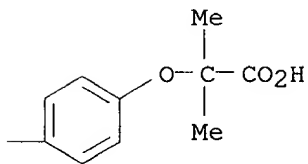


RN 245075-84-7 CAPLUS

CN Propanoic acid, 2,2'-[methylenebis[(2-chloro-4,1-  
phenylene)iminocarbonylimino-4,1-phenyleneoxy]]bis[2-methyl- (9CI) (CA  
INDEX NAME)



PAGE 1-A



PAGE 1-B

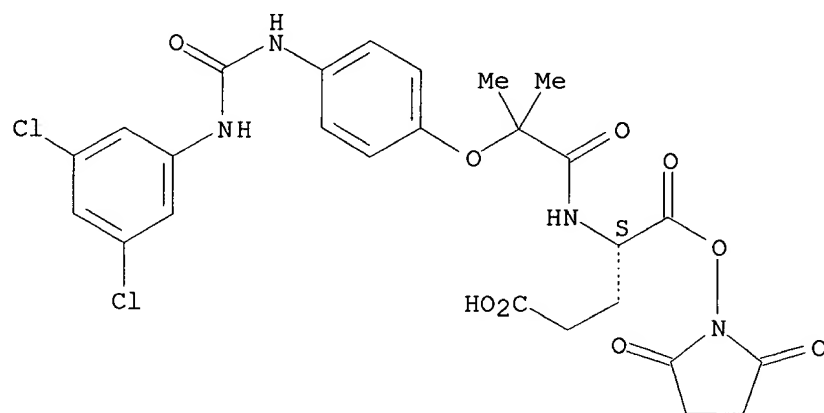
RN 245075-86-9 CAPLUS

CN Pentanoic acid, 4-[[2-[4-[[[(3,5-dichlorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl-1-oxopropyl]amino]-5-[(2,5-dioxo-1-pyrrolidinyl)oxy]-5-oxo-,  
(4S)- (9CI) (CA INDEX NAME)

09/825,925

V. Balasubramanian

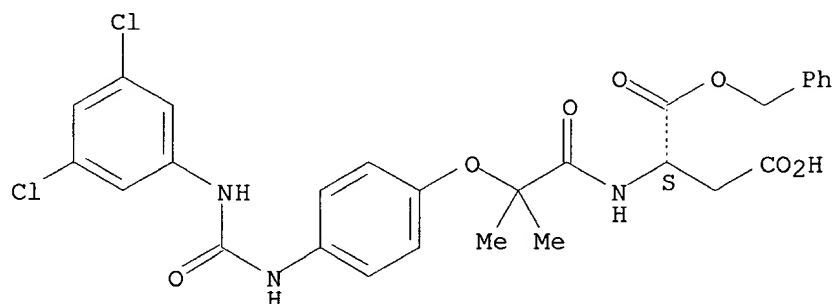
Absolute stereochemistry.



RN 245075-87-0 CAPLUS

CN L-Aspartic acid, N-[2-[4-[[[(3,5-dichlorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl-1-oxopropyl]-, 1-(phenylmethyl) ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 4

RE

- (1) Abraham; US 5122539 1992 CAPLUS
- (2) Calezari; US 5268500 1993
- (3) Fronticelli; US 5239061 1993
- (4) Hoffman; US 5028588 1991

L6 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2000 ACS

AN 1999:558280 CAPLUS

DN 131:317717

TI Novel Inhibitors of Advanced Glycation Endproducts

AU Rahbar, Samuel; Kumar Yernini, Kiran; Scott, Stephen; Gonzales, Noe; Lalezari, Iraj

CS Department of Diabetes, Endocrinology & Metabolism, City of Hope National Medical Center, Duarte, CA, 91010-0269, USA

SO Biochem. Biophys. Res. Commun. (1999), 262(3), 651-656  
CODEN: BBRCA9; ISSN: 0006-291X

PB Academic Press

DT Journal

LA English

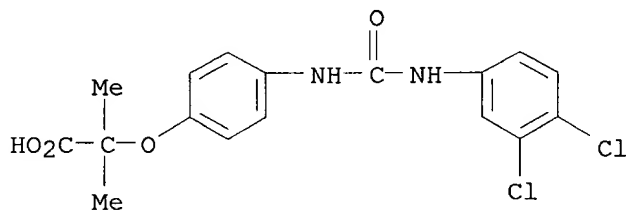
09/825,925

IT 117011-50-4 121809-57-2 121809-58-3  
 121809-65-2 121809-67-4 121809-68-5  
 121809-69-6 121809-70-9 121809-73-2  
 121809-74-3 121809-75-4 121809-77-6  
 121809-80-1 121809-82-3 121809-83-4  
 121809-84-5 121809-85-6 121809-89-0  
 121809-90-3 121809-94-7 157580-09-1  
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 249513-69-7 249513-70-0 249513-71-1  
 249513-72-2 249513-73-3 249513-74-4  
 249513-76-6 249513-77-7 249513-80-2  
 249513-81-3 249513-83-5 249513-84-6

RL: BAC (Biological activity or effector, except adverse); THU  
 (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (novel inhibitors of advanced glycation endproducts)

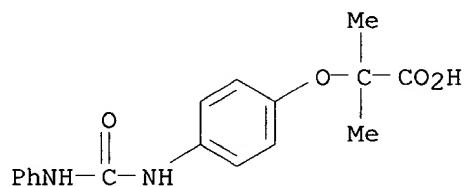
RN 117011-50-4 CAPLUS

CN Propanoic acid, 2-[4-[[[(3,4-dichlorophenyl)amino]carbonyl]amino]phenoxy]-  
 2-methyl- (9CI) (CA INDEX NAME)



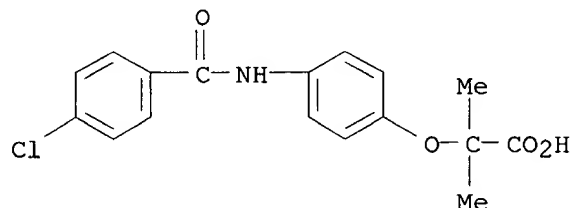
RN 121809-57-2 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[(phenylamino)carbonyl]amino]phenoxy]-  
 (9CI) (CA INDEX NAME)



RN 121809-58-3 CAPLUS

CN Propanoic acid, 2-[4-[(4-chlorobenzoyl)amino]phenoxy]-2-methyl- (9CI) (CA  
 INDEX NAME)

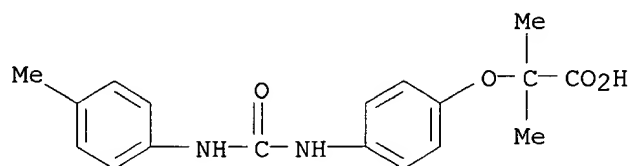


RN 121809-65-2 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[(4-methylphenyl)amino]carbonyl]amino]phen

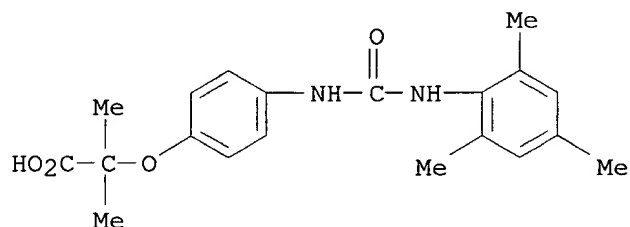
V. Balasubramanian

oxy]- (9CI) (CA INDEX NAME)



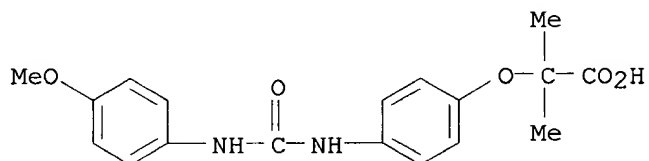
RN 121809-67-4 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[(2,4,6-trimethylphenyl)amino]carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)



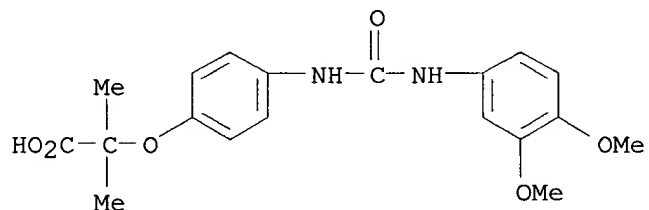
RN 121809-68-5 CAPLUS

CN Propanoic acid, 2-[4-[[[(4-methoxyphenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



RN 121809-69-6 CAPLUS

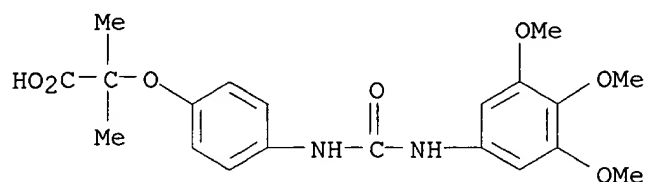
CN Propanoic acid, 2-[4-[[[(3,4-dimethoxyphenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



RN 121809-70-9 CAPLUS

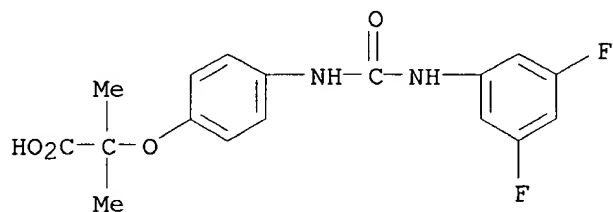
CN Propanoic acid, 2-methyl-2-[4-[[[(3,4,5-trimethoxyphenyl)amino]carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)

V. Balasubramanian



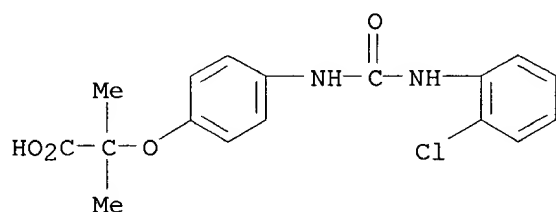
RN 121809-73-2 CAPLUS

CN Propanoic acid, 2-[4-[[[(3,5-difluorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



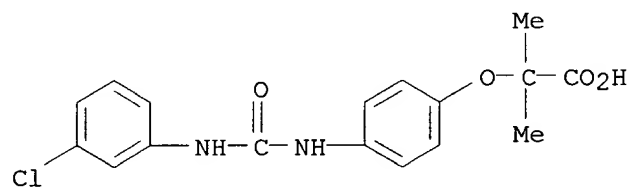
RN 121809-74-3 CAPLUS

CN Propanoic acid, 2-[4-[[[(2-chlorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



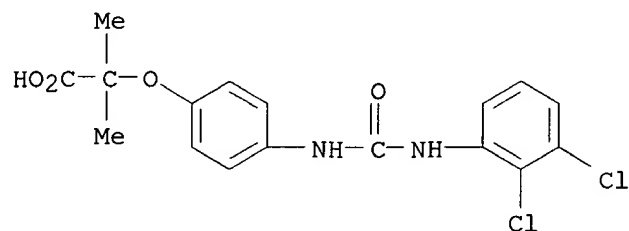
RN 121809-75-4 CAPLUS

CN Propanoic acid, 2-[4-[[[(3-chlorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



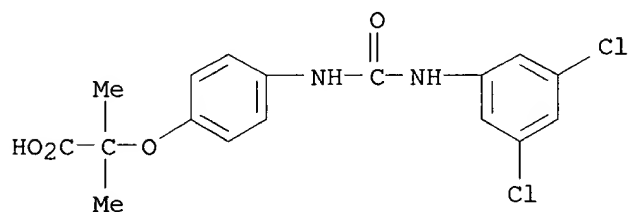
RN 121809-77-6 CAPLUS

CN Propanoic acid, 2-[4-[[[(2,3-dichlorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



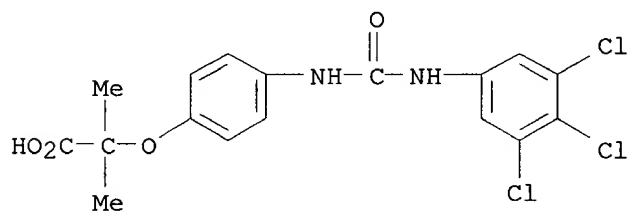
RN 121809-80-1 CAPLUS

CN Propanoic acid, 2-[4-[[[(3,5-dichlorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



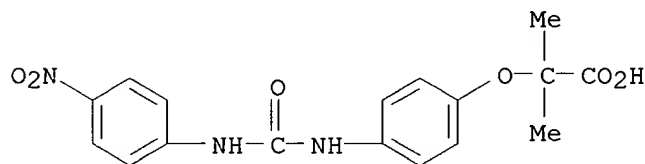
RN 121809-82-3 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[(3,4,5-trichlorophenyl)amino]carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)



RN 121809-83-4 CAPLUS

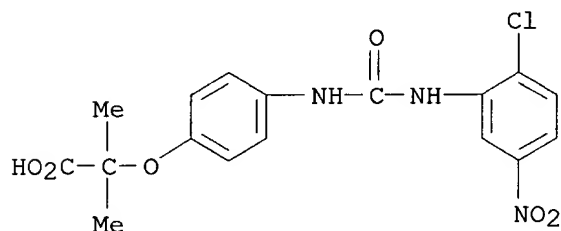
CN Propanoic acid, 2-methyl-2-[4-[[[(4-nitrophenyl)amino]carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)



RN 121809-84-5 CAPLUS

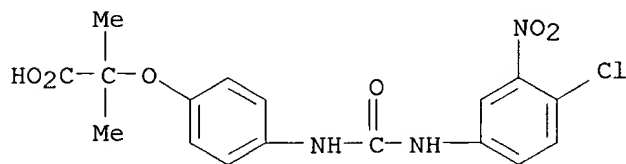
CN Propanoic acid, 2-[4-[[[(2-chloro-5-nitrophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)





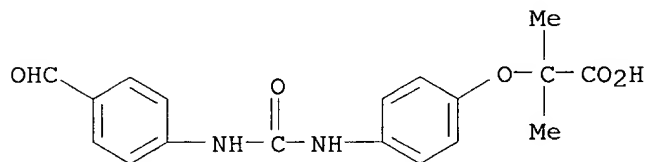
RN 121809-85-6 CAPLUS

CN Propanoic acid, 2-[4-[[[(4-chloro-3-nitrophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



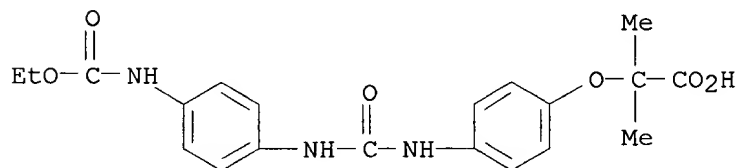
RN 121809-89-0 CAPLUS

CN Propanoic acid, 2-[4-[[[(4-formylphenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



RN 121809-90-3 CAPLUS

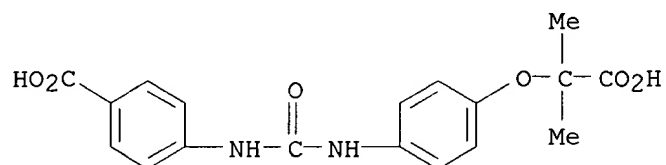
CN Propanoic acid, 2-[4-[[[4-[(ethoxycarbonyl)amino]phenyl]amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



RN 121809-94-7 CAPLUS

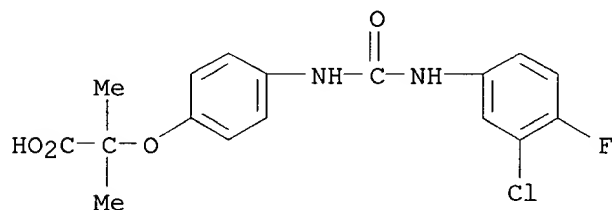
CN Benzoic acid, 4-[[[4-[(1-carboxy-1-methylethoxy)phenyl]amino]carbonyl]amino]phenyl- (9CI) (CA INDEX NAME)

V. Balasubramanian



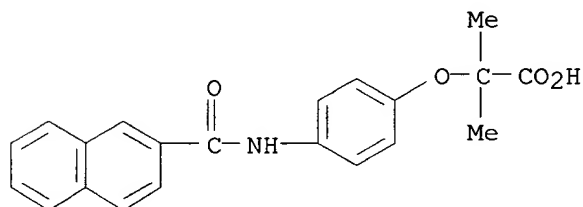
RN 157580-09-1 CAPLUS

CN Propanoic acid, 2-[4-[[[(3-chloro-4-fluorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



RN 249513-62-0 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[(2-naphthalenylcarbonyl)amino]phenoxy]- (9CI) (CA INDEX NAME)

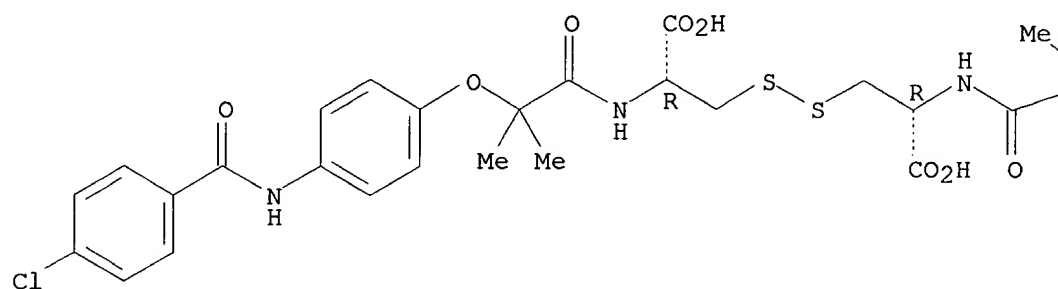


RN 249513-66-4 CAPLUS

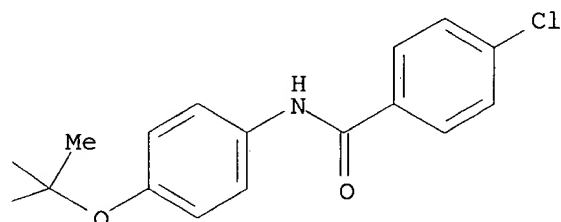
CN L-Cystine, N,N'-bis[2-[4-[(4-chlorobenzoyl)amino]phenoxy]-2-methyl-1-oxopropyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

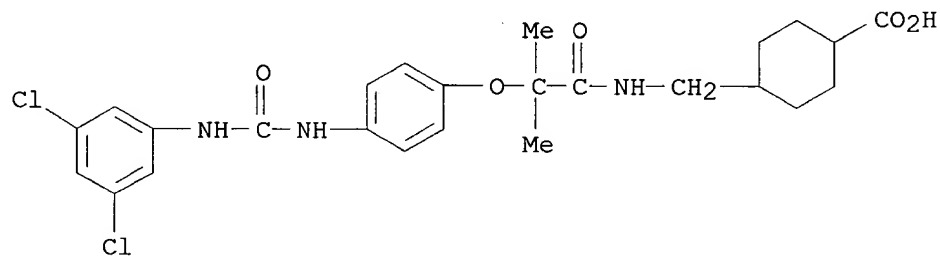


PAGE 1-B



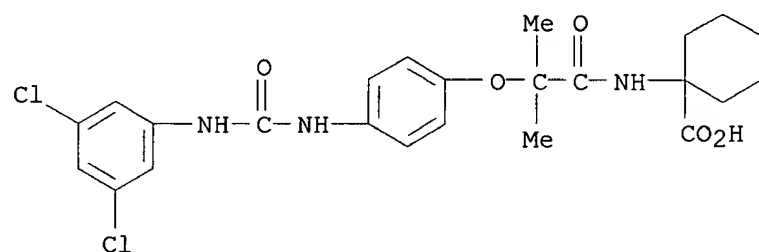
RN 249513-67-5 CAPLUS

CN Cyclohexanecarboxylic acid, 4-[[[2-[4-[[[(3,5-dichlorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl-1-oxopropyl]amino]methyl]- (9CI) (CA INDEX NAME)



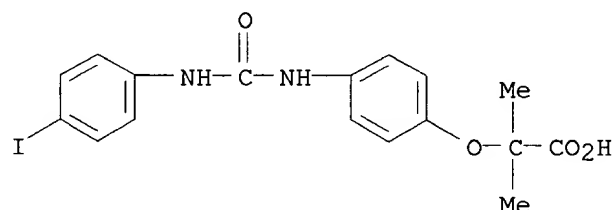
RN 249513-69-7 CAPLUS

CN Cyclohexanecarboxylic acid, 1-[[2-[4-[[[(3,5-dichlorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl-1-oxopropyl]amino]- (9CI) (CA INDEX NAME)



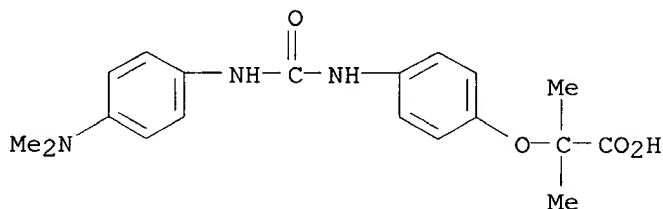
RN 249513-70-0 CAPLUS

CN Propanoic acid, 2-[4-[[[(4-iodophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



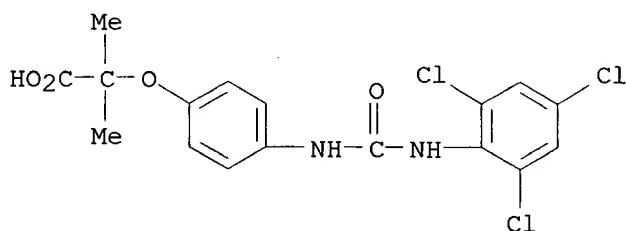
RN 249513-71-1 CAPLUS

CN Propanoic acid, 2-[4-[[[4-(dimethylamino)phenyl]amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



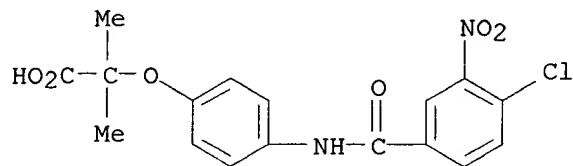
RN 249513-72-2 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[(2,4,6-trichlorophenyl)amino]carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)



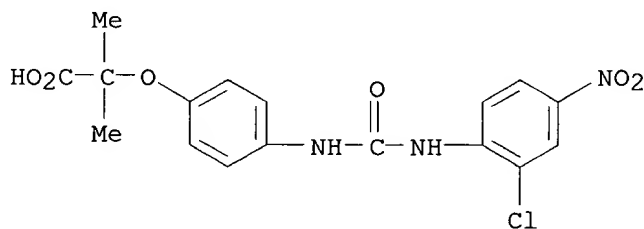
RN 249513-73-3 CAPLUS

CN Propanoic acid, 2-[4-[(4-chloro-3-nitrobenzoyl)amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



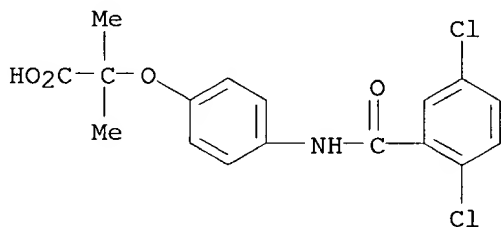
RN 249513-74-4 CAPLUS

CN Propanoic acid, 2-[4-[[[(2-chloro-4-nitrophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



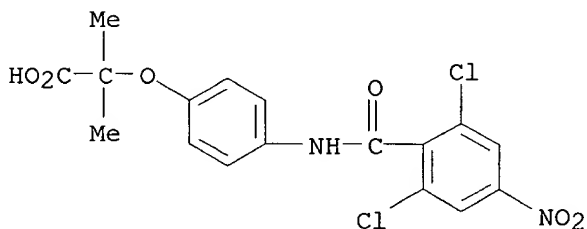
RN 249513-76-6 CAPLUS

CN Propanoic acid, 2-[4-[(2,5-dichlorobenzoyl)amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



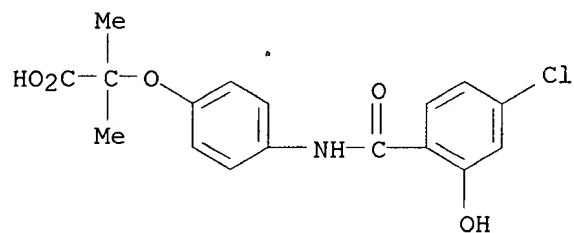
RN 249513-77-7 CAPLUS

CN Propanoic acid, 2-[4-[(2,6-dichloro-4-nitrobenzoyl)amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



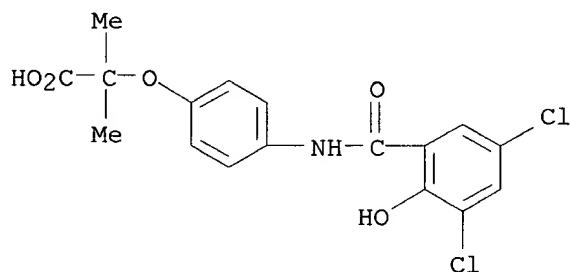
RN 249513-80-2 CAPLUS

CN Propanoic acid, 2-[4-[(4-chloro-2-hydroxybenzoyl)amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



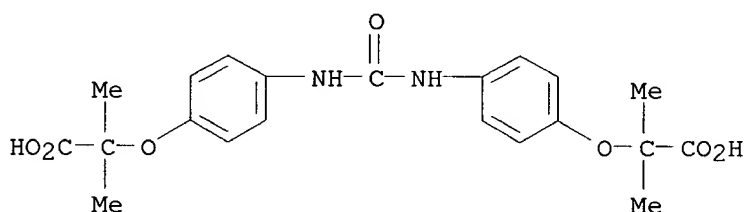
RN 249513-81-3 CAPLUS

CN Propanoic acid, 2-[4-[(3,5-dichloro-2-hydroxybenzoyl)amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



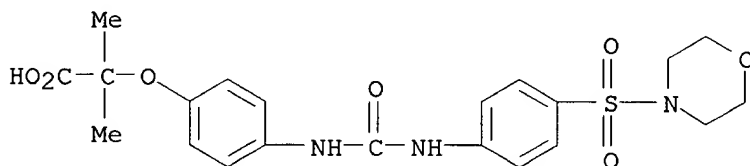
RN 249513-83-5 CAPLUS

CN Propanoic acid, 2,2'-[carbonylbis(imino-4,1-phenyleneoxy)]bis[2-methyl- (9CI) (CA INDEX NAME)



RN 249513-84-6 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[4-(4-morpholinylsulfonyl)phenyl]amino]carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)



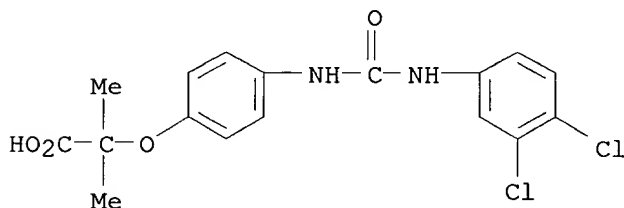
RE.CNT 48

RE

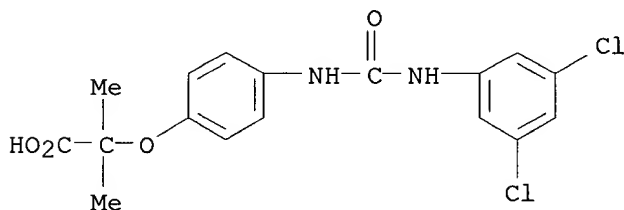
(1) Al-Abed, Y; J Biol Chem 1996, V271, P2892 CAPLUS

- (4) Baynes, J; Diabetes 1999, V48, P1 CAPLUS  
(5) Beisswenger, P; Diabetes 1999, V48, P198 CAPLUS  
(7) Booth, A; J Biol Chem 1997, V272, P5430 CAPLUS  
(8) Brownlee, M; Science 1986, V232, P1629 CAPLUS  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

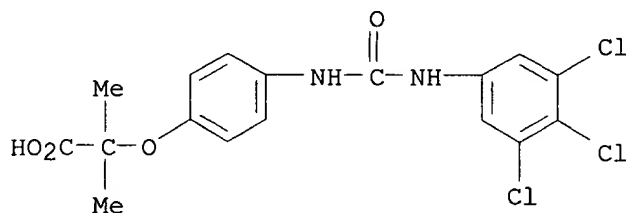
L6 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2000 ACS  
AN 1999:19928 CAPLUS  
DN 130:217602  
TI Structure/function of allosteric effectors of hemoglobin  
AU Abraham, Donald J.; Kister, Jean; Joshi, Gajanan S.; Wireko, Fred C.;  
Safo, Martin K.; Marden, Michael C.; Poyart, Claude  
CS Institute for Structural Biology and Drug Discovery, and Department of  
Medicinal Chemistry, Virginia Commonwealth University, Richmond, VA,  
23298, USA  
SO Med. Chem. Res. (1998), 8(7/8), 478-486  
CODEN: MCREEB; ISSN: 1054-2523  
PB Birkhaeuser Boston  
DT Journal  
LA English  
IT 117011-50-4 121809-80-1, L 35 121809-82-3  
RL: BAC (Biological activity or effector, except adverse); PRP  
(Properties); BIOL (Biological study)  
(structure/function of allosteric effectors of Hb)  
RN 117011-50-4 CAPLUS  
CN Propanoic acid, 2-[4-[[[(3,4-dichlorophenyl)amino]carbonyl]amino]phenoxy]-  
2-methyl- (9CI) (CA INDEX NAME)



RN 121809-80-1 CAPLUS  
CN Propanoic acid, 2-[4-[[[(3,5-dichlorophenyl)amino]carbonyl]amino]phenoxy]-  
2-methyl- (9CI) (CA INDEX NAME)



RN 121809-82-3 CAPLUS  
CN Propanoic acid, 2-methyl-2-[4-[[[(3,4,5-trichlorophenyl)amino]carbonyl]ami  
no]phenoxy]- (9CI) (CA INDEX NAME)



RE.CNT 19

RE

- (1) Abraham, D; Biochem 1992, V31, P9141 CAPLUS
- (2) Abraham, D; Blood 1991, V77, P1334 CAPLUS
- (3) Abraham, D; J Mol Biol 1995, V248, P845 CAPLUS
- (4) Abraham, D; Proc Natl Acad Sci 1983, V80, P324 CAPLUS
- (6) Arnone, A; Nature 1972, V237, P146 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 6 OF 19 CAPLUS COPYRIGHT 2000 ACS

AN 1998:207267 CAPLUS

DN 128:270438

TI Preparation of phenoxypropionic acids and analogs as hemoglobin allosteric modifiers

IN Abraham, Donald J.; Joshi, Gajanan; Randad, Ramnarayan; Panikker, Jayashree

PA Virginia Commonwealth University, USA

SO U.S., 43 pp. Cont.-in-part of U.S. 5,432,191.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 8

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5731454	A	19980324	US 1995-374206	19950118
	US 5049695	A	19910917	US 1990-478848	19900212
	US 5122539	A	19920616	US 1991-702947	19910520
	US 5382680	A	19950117	US 1991-722382	19910626
	US 5290803	A	19940301	US 1993-6246	19930119
	US 5432191	A	19950711	US 1993-101501	19930730
	US 5591892	A	19970107	US 1995-451658	19950530
	US 5648375	A	19970715	US 1995-478372	19950607
	US 5677330	A	19971014	US 1995-478371	19950607
	US 5705521	A	19980106	US 1995-482808	19950607
	US 5927283	A	19990727	US 1997-848485	19970508
	US 5872282	A	19990216	US 1998-41595	19980313
PRAI	US 1990-623346		19901207		
	US 1990-478848		19901212		
	US 1991-702947		19910520		
	US 1991-722382		19910626		
	US 1993-6246		19930119		
	US 1993-101501		19930730		
	US 1992-885721		19920518		
	US 1995-374206		19950118		
	US 1995-478371		19950607		

OS MARPAT 128:270438

IT 121809-80-1P

RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic

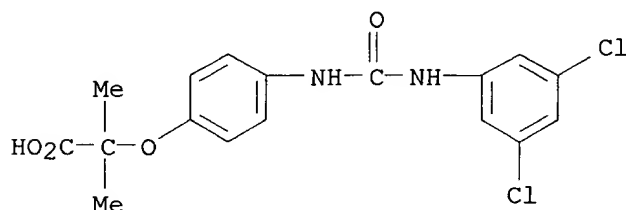


V. Balasubramanian

preparation); THU (Therapeutic use); BIOL (Biological study); PREP  
(Preparation); USES (Uses)  
(prepn. of phenoxypropionic acids and analogs as Hb allosteric  
modifiers)

RN 121809-80-1 CAPLUS

CN Propanoic acid, 2-[4-[[[(3,5-dichlorophenyl)amino]carbonyl]amino]phenoxy]-  
2-methyl- (9CI) (CA INDEX NAME)



L6 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2000 ACS

AN 1998:41719 CAPLUS

DN 128:110865

TI Use of allosteric hemoglobin modifiers in combination with radiation  
therapy to treat carcinogenic tumors

IN Abraham, Donald J.

PA Center for Innovative Technology, USA

SO U.S., 47 pp. Cont.-in-part of U.S. Ser. No. 374,206.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 8

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5705521	A	19980106	US 1995-482808	19950607
	US 5049695	A	19910917	US 1990-478848	19900212
	US 5122539	A	19920616	US 1991-702947	19910520
	US 5382680	A	19950117	US 1991-722382	19910626
	US 5290803	A	19940301	US 1993-6246	19930119
	US 5432191	A	19950711	US 1993-101501	19930730
	US 5731454	A	19980324	US 1995-374206	19950118
PRAI	US 1990-478848		19900212		
	US 1990-623346		19901207		
	US 1991-702947		19910520		
	US 1991-722382		19910626		
	US 1993-6246		19930119		
	US 1993-101501		19930730		
	US 1995-374206		19950118		
	US 1992-885721		19920518		

OS MARPAT 128:110865

IT 121809-80-1

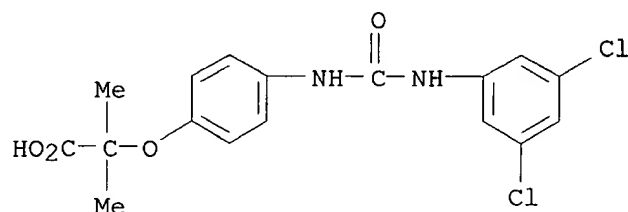
RL: BAC (Biological activity or effector, except adverse); THU  
(Therapeutic use); BIOL (Biological study); USES (Uses)

(allosteric Hb modifiers in combination with radiation therapy to treat  
carcinogenic tumors, prepn., and use for other oxygen tension-related  
diseases)

RN 121809-80-1 CAPLUS

CN Propanoic acid, 2-[4-[[[(3,5-dichlorophenyl)amino]carbonyl]amino]phenoxy]-  
2-methyl- (9CI) (CA INDEX NAME)

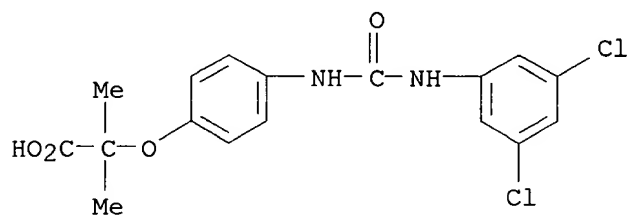
09/825,925



L6 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2000 ACS  
 AN 1997:693601 CAPLUS  
 DN 127:336654  
 TI Medical uses of allosteric hemoglobin modifier compounds in patient care  
 IN Abraham, Donald J.; Gerber, Michael  
 PA Center for Innovative Technology, USA; Allos Therapeutics, Inc.  
 SO U.S., 48 pp. Cont.-in-part of U.S. 5,382,680.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 8

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5677330	A	19971014	US 1995-478371	19950607
	US 5049695	A	19910917	US 1990-478848	19900212
	US 5122539	A	19920616	US 1991-702947	19910520
	US 5382680	A	19950117	US 1991-722382	19910626
	US 5290803	A	19940301	US 1993-6246	19930119
	US 5432191	A	19950711	US 1993-101501	19930730
	US 5731454	A	19980324	US 1995-374206	19950118
	US 5927283	A	19990727	US 1997-848485	19970508
PRAI	US 1990-478848		19900212		
	US 1990-623346		19901207		
	US 1991-702947		19910520		
	US 1991-722382		19910626		
	US 1993-6246		19930119		
	US 1993-101501		19930730		
	US 1995-374206		19950118		
	US 1992-885721		19920518		
OS	MARPAT 127:336654				

IT **121809-80-1P**  
 RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (allosteric Hb modifier compds.)  
 RN 121809-80-1 CAPLUS  
 CN Propanoic acid, 2-[4-[[[(3,5-dichlorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



L6 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2000 ACS

AN 1994:579000 CAPLUS

DN 121:179000

TI 13C NMR spectra of allosteric effectors of hemoglobin

AU Ostrowski, Stanislaw; Priebe, Waldemar; Burke, Thomas G.

CS M. D. Anderson Cancer Cent., Univ. Texas, Houston, TX, 77030, USA

SO Magn. Reson. Chem. (1994), 32(3), 182-3

CODEN: MRCHEG; ISSN: 0749-1581

DT Journal

LA English

IT 117011-50-4 121809-75-4 121809-83-4

157579-93-6 157579-95-8 157579-96-9

157579-99-2 157580-01-3 157580-02-4

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157580-09-1 157580-14-8 157580-16-0

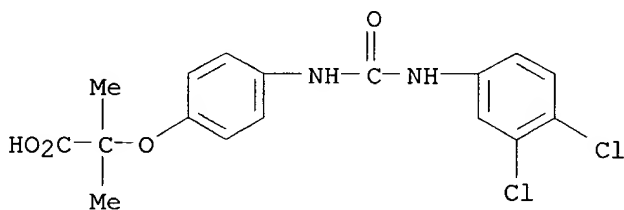
157580-19-3

RL: PRP (Properties)

(NMR of carbon-13 of)

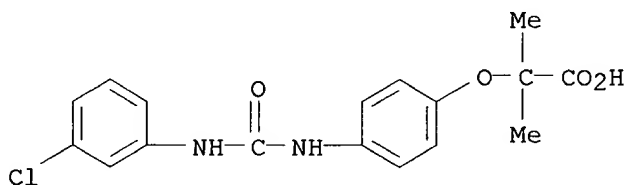
RN 117011-50-4 CAPLUS

CN Propanoic acid, 2-[4-[[[(3,4-dichlorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



RN 121809-75-4 CAPLUS

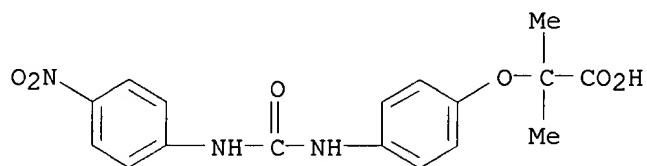
CN Propanoic acid, 2-[4-[[[(3-chlorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



RN 121809-83-4 CAPLUS

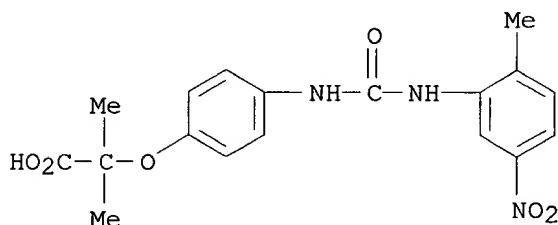
CN Propanoic acid, 2-methyl-2-[4-[[[(4-nitrophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)

xy]- (9CI) (CA INDEX NAME)



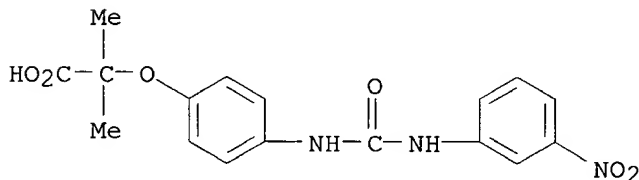
RN 157579-93-6 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[(2-methyl-5-nitrophenyl)amino]carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)



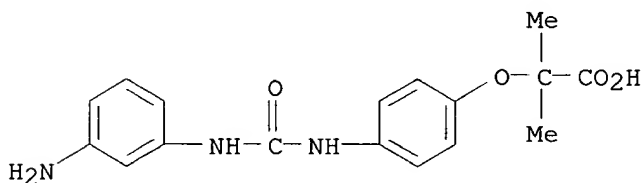
RN 157579-95-8 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[(3-nitrophenyl)amino]carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)



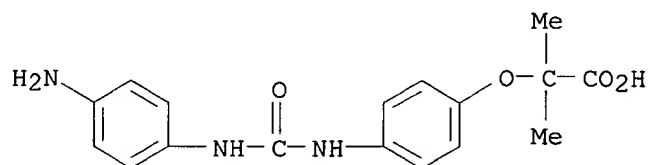
RN 157579-96-9 CAPLUS

CN Propanoic acid, 2-[4-[[[(3-aminophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



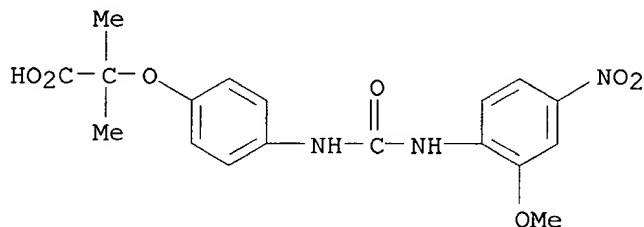
RN 157579-99-2 CAPLUS

CN Propanoic acid, 2-[4-[[[(4-aminophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



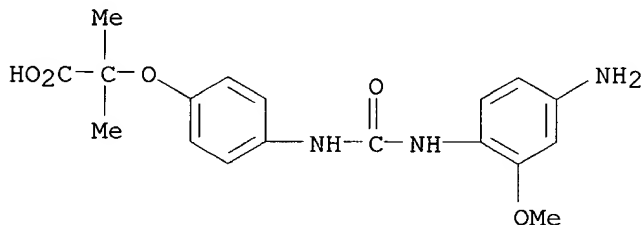
RN 157580-01-3 CAPLUS

CN Propanoic acid, 2-[4-[[[(2-methoxy-4-nitrophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



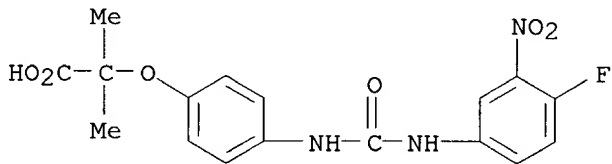
RN 157580-02-4 CAPLUS

CN Propanoic acid, 2-[4-[[[(4-fluoro-3-nitrophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



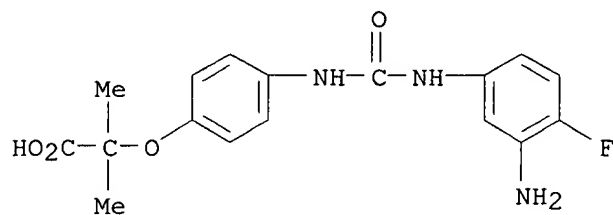
RN 157580-04-6 CAPLUS

CN Propanoic acid, 2-[4-[[[(4-fluoro-3-nitrophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



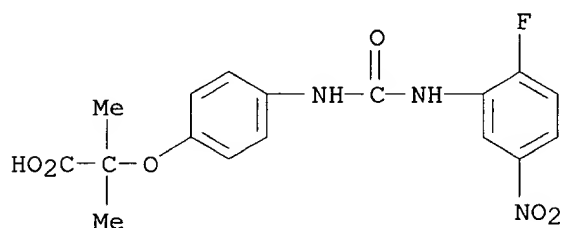
RN 157580-05-7 CAPLUS

CN Propanoic acid, 2-[4-[[[(3-amino-4-fluorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



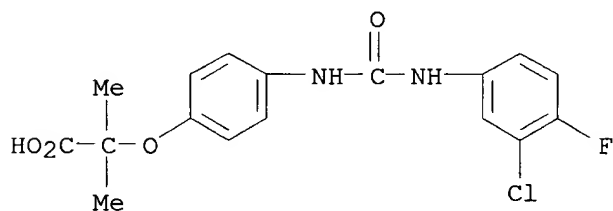
RN 157580-07-9 CAPLUS

CN Propanoic acid, 2-[4-[[[(2-fluoro-5-nitrophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



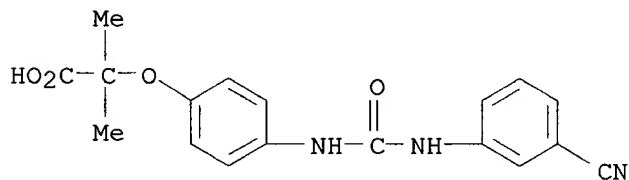
RN 157580-09-1 CAPLUS

CN Propanoic acid, 2-[4-[[[(3-chloro-4-fluorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



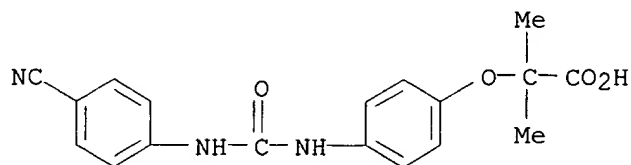
RN 157580-14-8 CAPLUS

CN Propanoic acid, 2-[4-[[[(3-cyanophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



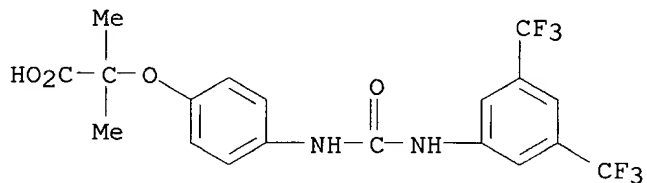
RN 157580-16-0 CAPLUS

CN Propanoic acid, 2-[4-[[[(4-cyanophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



RN 157580-19-3 CAPLUS

CN Propanoic acid, 2-[4-[[[3,5-bis(trifluoromethyl)phenyl]amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



L6 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2000 ACS

AN 1993:455833 CAPLUS

DN 119:55833

TI Evaluation of LEH/LR16 artificial blood formulation

AU Burke, T. G.; Staubus, A. E.

CS Coll. Pharm., Ohio State Univ., Columbus, OH, USA

SO Report (1992), Order No. AD-A248575, 10 pp. Avail.: NTIS

From: Gov. Rep. Announce. Index (U. S.) 1992, 92(15), Abstr. No. 240,053

DT Report

LA English

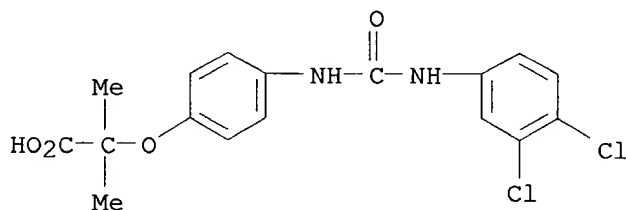
IT **117011-50-4D**, LR 16, analogs

RL: BIOL (Biological study)

(liposomes contg. Hbs and, for blood substitutes)

RN 117011-50-4 CAPLUS

CN Propanoic acid, 2-[4-[[[(3,4-dichlorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



L6 ANSWER 11 OF 19 CAPLUS COPYRIGHT 2000 ACS

AN 1991:639430 CAPLUS

DN 115:239430

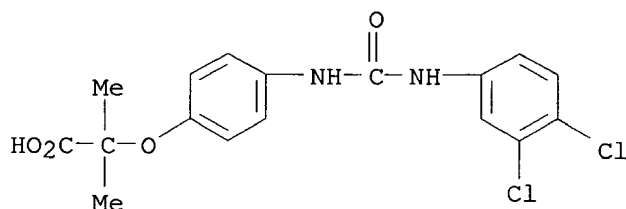
TI Evaluation of liposome-encapsulated hemoglobin/LR16 formulation as a potential blood substitute

AU Burke, T. G.

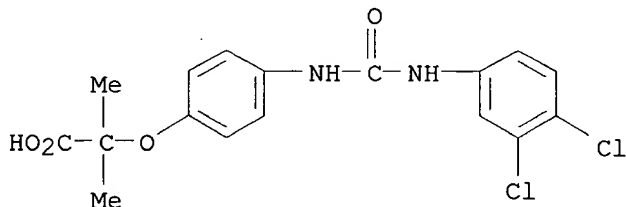
CS City of Hope Natl. Med. Cent., Duarte, CA, USA

V. Balasubramanian

SO Report (1990), Order No. AD-A229 090, 9 pp. Avail.: NTIS  
From: Gov. Rep. Announce. Index (U. S.) 1991, 91(10), Abstr. No. 124,831  
DT Report  
LA English  
IT **117011-50-4**, LR 16  
RL: BIOL (Biological study)  
(liposomes contg. Hb and, for blood substitutes)  
RN 117011-50-4 CAPLUS  
CN Propanoic acid, 2-[4-[[[(3,4-dichlorophenyl)amino]carbonyl]amino]phenoxy]-  
2-methyl- (9CI) (CA INDEX NAME)

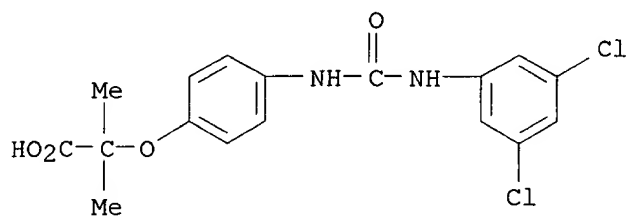


L6 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2000 ACS  
AN 1991:77296 CAPLUS  
DN 114:77296  
TI Allosteric modifiers of hemoglobin. 2. Crystallographically determined binding sites and hydrophobic binding/interaction analysis of novel hemoglobin oxygen effectors  
AU Wireko, Fred C.; Kellogg, Glen E.; Abraham, Donald J.  
CS Med. Coll. Virginia, Virginia Commonw. Univ., Richmond, VA, 23298-0581, USA  
SO J. Med. Chem. (1991), 34(2), 758-67  
CODEN: JMCMAR; ISSN: 0022-2623  
DT Journal  
LA English  
IT **117011-50-4 121809-80-1 121809-82-3**  
RL: BIOL (Biological study)  
(Hb of human binding by, hydrophobicity in and oxygen binding response to and allosteric modifier structure relation to)  
RN 117011-50-4 CAPLUS  
CN Propanoic acid, 2-[4-[[[(3,4-dichlorophenyl)amino]carbonyl]amino]phenoxy]-  
2-methyl- (9CI) (CA INDEX NAME)



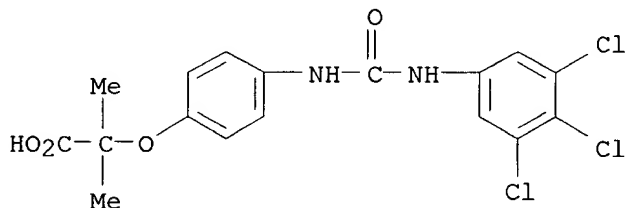
RN 121809-80-1 CAPLUS  
CN Propanoic acid, 2-[4-[[[(3,5-dichlorophenyl)amino]carbonyl]amino]phenoxy]-  
2-methyl- (9CI) (CA INDEX NAME)





RN 121809-82-3 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[(3,4,5-trichlorophenyl)amino]carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)



L6 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2000 ACS

AN 1990:536008 CAPLUS

DN 113:136008

TI Effect of nonionic surfactants on chalcopryrite leaching under dump chemical conditions

AU Sandoval, S. P.; Pool, D. L.; Schultze, L. E.

CS Reno Res. Cent., U. S. Bur. Mines, Reno, NV, USA

SO Bur. Mines Rep. Invest. (1990), RI 9311, 16 pp.

CODEN: XBMIA6; ISSN: 0096-1922

DT Report

LA English

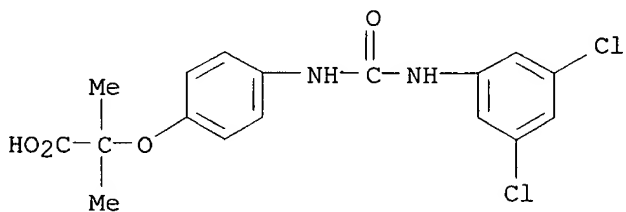
IT 121809-80-1, L35

RL: PROC (Process)

(surfactant, leaching of copper from chalcopryrite with ferric sulfate soln. contg. nonionic)

RN 121809-80-1 CAPLUS

CN Propanoic acid, 2-[4-[[[(3,5-dichlorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



L6 ANSWER 14 OF 19 CAPLUS COPYRIGHT 2000 ACS

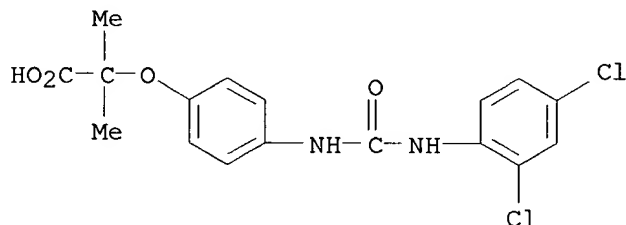
AN 1990:423397 CAPLUS

DN 113:23397

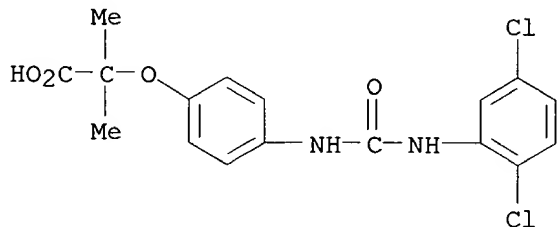
V. Balasubramanian

TI Preparation of (aryluroidophenoxy)- and (benzamidophenoxy)methylpropionic  
acid derivatives which reduce the affinity of hemoglobin for oxygen  
IN Lalezari, Iraj; Lalezari, Parviz  
PA USA  
SO PCT Int. Appl., 32 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8912622	A1	19891228	WO 1989-US2621	19890615
	W: JP				
	RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
	US 4921997	A	19900501	US 1988-207098	19880615
	EP 420930	A1	19910410	EP 1989-907939	19890615
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	JP 03505728	T2	19911212	JP 1989-507363	19890615
	US 5093367	A	19920303	US 1990-477048	19900207
	US 5292935	A	19940308	US 1992-821409	19920115
	US 5472981	A	19951205	US 1993-158702	19931129
PRAI	US 1988-207098		19880615		
	WO 1989-US2621		19890615		
	US 1990-477048		19900207		
	US 1992-821409		19920115		
OS	MARPAT 113:23397				
IT	<b>121809-78-7 121809-79-8</b>				
	RL: RCT (Reactant)				
	(Hb-oxygen affinity, effect on)				
RN	121809-78-7 CAPLUS				
CN	Propanoic acid, 2-[4-[[[(2,4-dichlorophenyl)amino]carbonyl]amino]phenoxy]- 2-methyl- (9CI) (CA INDEX NAME)				



RN 121809-79-8 CAPLUS  
CN Propanoic acid, 2-[4-[[[(2,5-dichlorophenyl)amino]carbonyl]amino]phenoxy]-  
2-methyl- (9CI) (CA INDEX NAME)

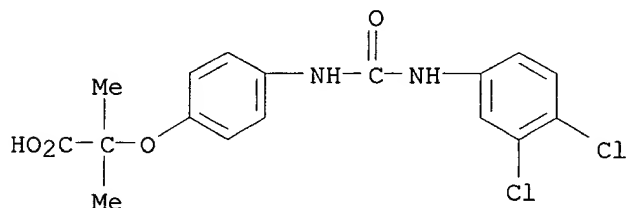


IT 117011-50-4P 121809-73-2P 121809-80-1P  
121809-81-2P 121809-82-3P 121809-91-4P  
127676-57-7P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. of, as Hb-oxygen affinity-reducing agent)

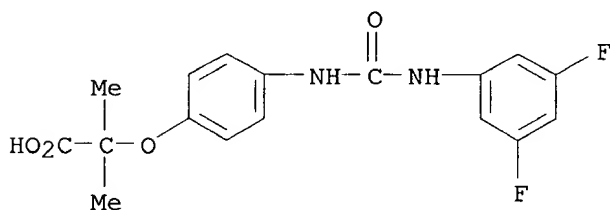
RN 117011-50-4 CAPLUS

CN Propanoic acid, 2-[4-[[[(3,4-dichlorophenyl)amino]carbonyl]amino]phenoxy]-  
2-methyl- (9CI) (CA INDEX NAME)



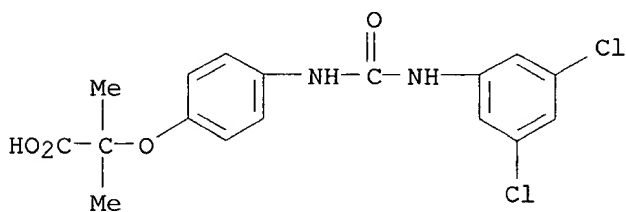
RN 121809-73-2 CAPLUS

CN Propanoic acid, 2-[4-[[[(3,5-difluorophenyl)amino]carbonyl]amino]phenoxy]-  
2-methyl- (9CI) (CA INDEX NAME)



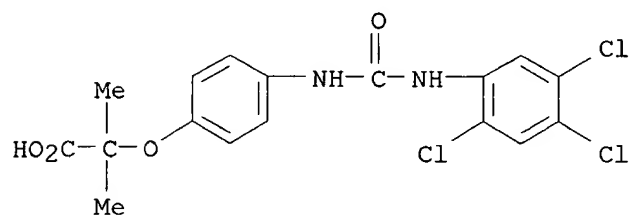
RN 121809-80-1 CAPLUS

CN Propanoic acid, 2-[4-[[[(3,5-dichlorophenyl)amino]carbonyl]amino]phenoxy]-  
2-methyl- (9CI) (CA INDEX NAME)



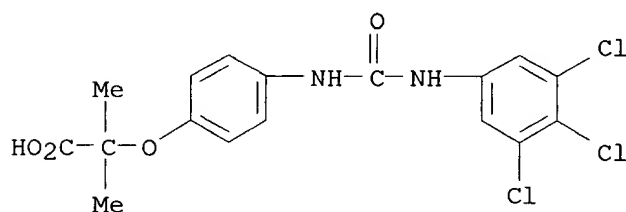
RN 121809-81-2 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[(2,4,5-trichlorophenyl)amino]carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)



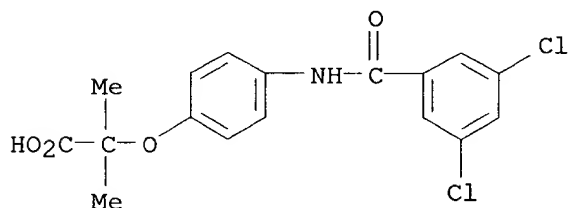
RN 121809-82-3 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[(3,4,5-trichlorophenyl)amino]carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)



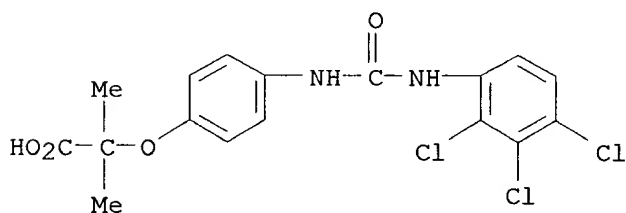
RN 121809-91-4 CAPLUS

CN Propanoic acid, 2-[4-[(3,5-dichlorobenzoyl)amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



RN 127676-57-7 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[(2,3,4-trichlorophenyl)amino]carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)



L6 ANSWER 15 OF 19 CAPLUS COPYRIGHT 2000 ACS

AN 1990:231450 CAPLUS

DN 112:231450

TI Effectors of hemoglobin. Separation of allosteric and affinity factors

AU Marden, Michael C.; Bohn, Brigitte; Kister, Jean; Poyart, Claude

V. Balasubramanian

CS Hop. Bicetre, Le Kremlin Bicetre, 94275, Fr.

SO Biophys. J. (1990), 57(3), 397-403

CODEN: BIOJAU; ISSN: 0006-3495

DT Journal

LA English

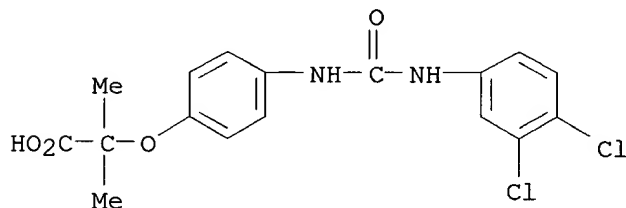
IT **117011-50-4 121809-80-1**, L 35

RL: BIOL (Biological study)

(Hb binding by carbon monoxide and oxygen response to, effectors  
affinity and allosterism in)

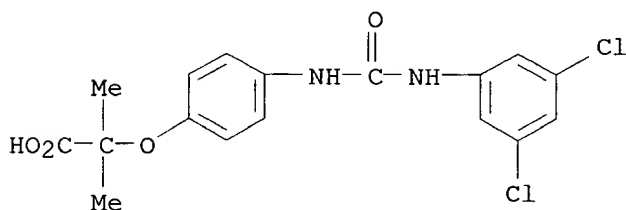
RN 117011-50-4 CAPLUS

CN Propanoic acid, 2-[4-[[[(3,4-dichlorophenyl)amino]carbonyl]amino]phenoxy]-  
2-methyl- (9CI) (CA INDEX NAME)



RN 121809-80-1 CAPLUS

CN Propanoic acid, 2-[4-[[[(3,5-dichlorophenyl)amino]carbonyl]amino]phenoxy]-  
2-methyl- (9CI) (CA INDEX NAME)



L6 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2000 ACS

AN 1990:72472 CAPLUS

DN 112:72472

TI New effectors of human hemoglobin: structure and function

AU Lalezari, I.; Lalezari, P.; Poyart, C.; Marden, M.; Kister, J.; Bohn, B.;  
Fermi, G.; Perutz, M. F.

CS Montefiore Med. Cent., Albert Einstein Coll. Med., Bronx, NY, 10467, USA

SO Biochemistry (1990), 29(6), 1515-23

CODEN: BICHAW; ISSN: 0006-2960

DT Journal

LA English

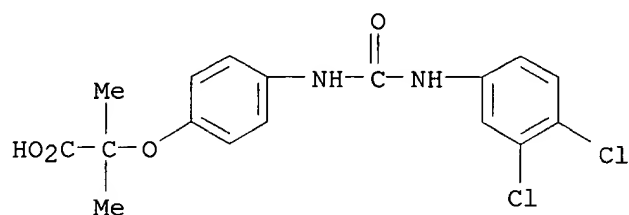
IT **117011-50-4**, LR16

RL: BIOL (Biological study)

(as Hb A of human allosteric effector, methylpropionic acid derivs.  
compared to)

RN 117011-50-4 CAPLUS

CN Propanoic acid, 2-[4-[[[(3,4-dichlorophenyl)amino]carbonyl]amino]phenoxy]-  
2-methyl- (9CI) (CA INDEX NAME)



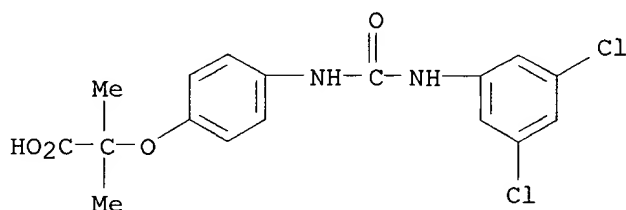
IT 121809-80-1 121809-82-3

RL: PROC (Process)

(as Hb A of human allosteric effector, structure and function of)

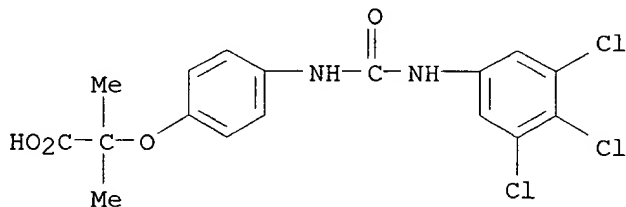
RN 121809-80-1 CAPLUS

CN Propanoic acid, 2-[4-[[[(3,5-dichlorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



RN 121809-82-3 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[(3,4,5-trichlorophenyl)amino]carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)



L6 ANSWER 17 OF 19 CAPLUS COPYRIGHT 2000 ACS

AN 1989:587608 CAPLUS

DN 111:187608

TI Compound, composition, and method for the reduction of lipids, the modification of the affinity of hemoglobin for oxygen, and the prevention of platelet aggregation

IN Lalezari, Iraj; Rahbar, Samuel; Lalezari, Parviz

PA USA

SO PCT Int. Appl., 15 pp.

CODEN: PIXXD2

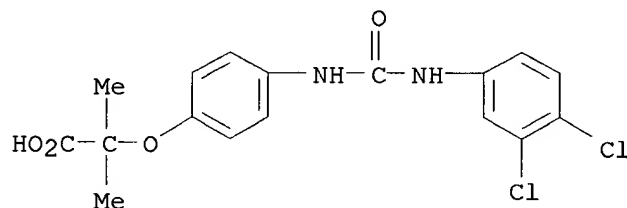
DT Patent

LA English

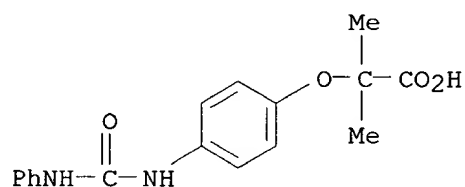
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8810113	A1	19881229	WO 1988-US2092	19880615
	W: AU, JP				

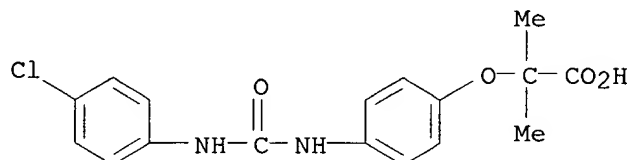
RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE  
 AU 8819986 A1 19890119 AU 1988-19986 19880615  
 AU 616674 B2 19911107  
 EP 358724 A1 19900321 EP 1988-906435 19880615  
 R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE  
 JP 02503797 T2 19901108 JP 1988-505967 19880615  
 US 5268500 A 19931207 US 1991-778706 19911018  
 PRAI US 1987-62236 19870615  
 WO 1988-US2092 19880615  
 US 1989-327020 19890322  
 US 1990-515673 19900412  
 US 1991-658096 19910220  
 OS MARPAT 111:187608  
 IT **117011-50-4P 121809-57-2P 121809-76-5P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. of, as antihyperlipidemic and for modification of oxygen  
 affinity of Hb)  
 RN 117011-50-4 CAPLUS  
 CN Propanoic acid, 2-[4-[[[(3,4-dichlorophenyl)amino]carbonyl]amino]phenoxy]-  
 2-methyl- (9CI) (CA INDEX NAME)



RN 121809-57-2 CAPLUS  
 CN Propanoic acid, 2-methyl-2-[4-[(phenylamino)carbonyl]amino]phenoxy]-  
 (9CI) (CA INDEX NAME)



RN 121809-76-5 CAPLUS  
 CN Propanoic acid, 2-[4-[[[(4-chlorophenyl)amino]carbonyl]amino]phenoxy]-2-  
 methyl- (9CI) (CA INDEX NAME)



L6 ANSWER 18 OF 19 CAPLUS COPYRIGHT 2000 ACS

AN 1989:533730 CAPLUS

DN 111:133730

TI Synthesis and investigation of effects of 2-[4-  
[[ (arylamino)carbonyl]amino]phenoxy]-2-methylpropionic acids on the  
affinity of hemoglobin for oxygen: structure-activity relationships

AU Lalezari, Iraj; Lalezari, Parviz

CS Dep. Med., Montefiore Med. Cent., Bronx, NY, 10467, USA

SO J. Med. Chem. (1989), 32(10), 2352-7

CODEN: JMCMAR; ISSN: 0022-2623

DT Journal

LA English

OS CASREACT 111:133730

IT 117011-50-4 121809-77-6 121809-78-7

121809-79-8 121809-80-1 121809-81-2

121809-82-3 121809-83-4 121809-84-5

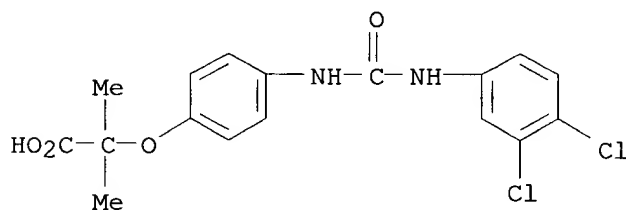
121809-85-6 121809-86-7 121809-87-8

RL: RCT (Reactant)

(prepn. and Hb-oxygen affinity in presence of)

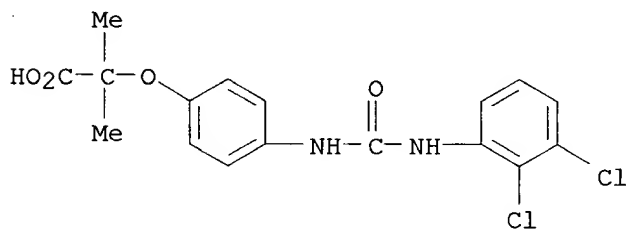
RN 117011-50-4 CAPLUS

CN Propanoic acid, 2-[4-[[[(3,4-dichlorophenyl)amino]carbonyl]amino]phenoxy]-  
2-methyl- (9CI) (CA INDEX NAME)



RN 121809-77-6 CAPLUS

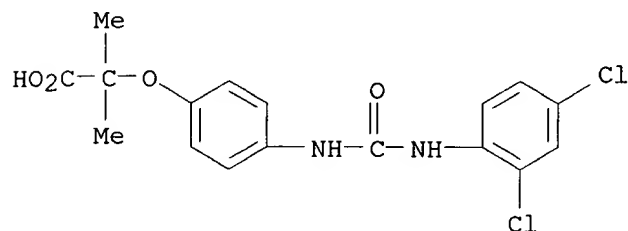
CN Propanoic acid, 2-[4-[[[(2,3-dichlorophenyl)amino]carbonyl]amino]phenoxy]-  
2-methyl- (9CI) (CA INDEX NAME)



RN 121809-78-7 CAPLUS

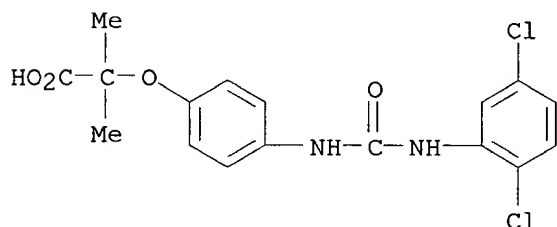
CN Propanoic acid, 2-[4-[[[(2,4-dichlorophenyl)amino]carbonyl]amino]phenoxy]-  
2-methyl- (9CI) (CA INDEX NAME)





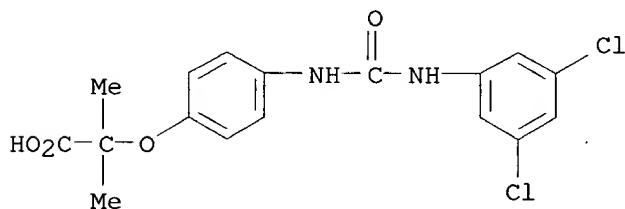
RN 121809-79-8 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[(2,5-dichlorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



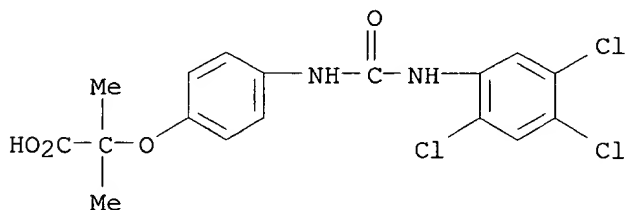
RN 121809-80-1 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[(3,5-dichlorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



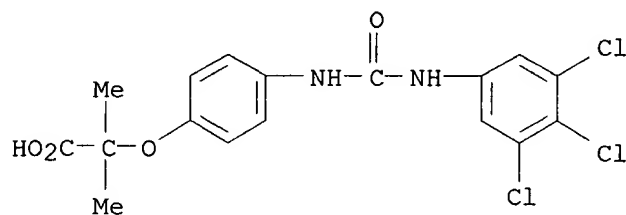
RN 121809-81-2 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[(2,4,5-trichlorophenyl)amino]carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)



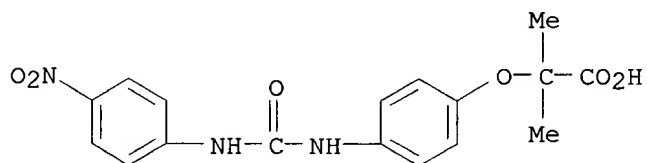
RN 121809-82-3 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[(3,4,5-trichlorophenyl)amino]carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)



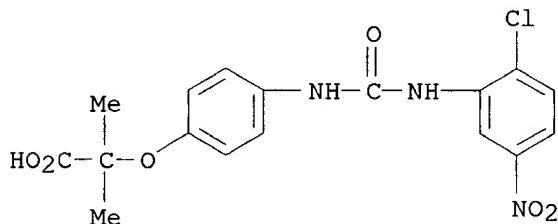
RN 121809-83-4 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[(4-nitrophenyl)amino]carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)



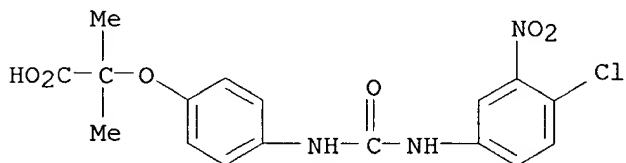
RN 121809-84-5 CAPLUS

CN Propanoic acid, 2-[4-[[[(2-chloro-5-nitrophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



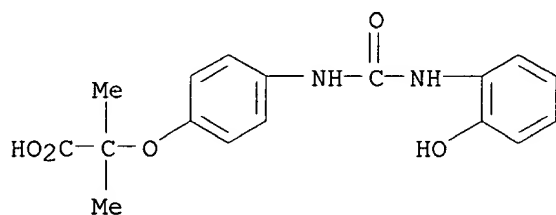
RN 121809-85-6 CAPLUS

CN Propanoic acid, 2-[4-[[[(4-chloro-3-nitrophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



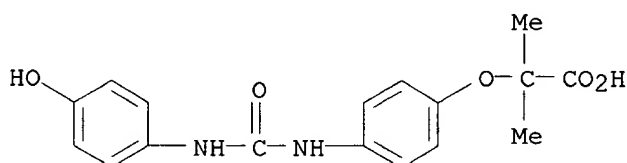
RN 121809-86-7 CAPLUS

CN Propanoic acid, 2-[4-[[[(2-hydroxyphenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



RN 121809-87-8 CAPLUS

CN Propanoic acid, 2-[4-[[[(4-hydroxyphenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)

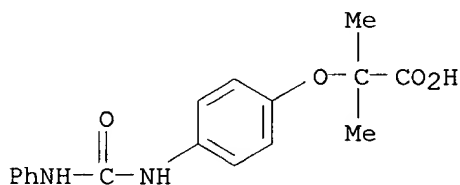


IT 121809-57-2P 121809-58-3P 121809-65-2P  
 121809-66-3P 121809-67-4P 121809-68-5P  
 121809-69-6P 121809-70-9P 121809-71-0P  
 121809-72-1P 121809-73-2P 121809-74-3P  
 121809-75-4P 121809-76-5P 121809-88-9P  
 121809-89-0P 121809-90-3P 121809-91-4P  
 121809-94-7P

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. and Hb-oxygen affinity in the presence of)

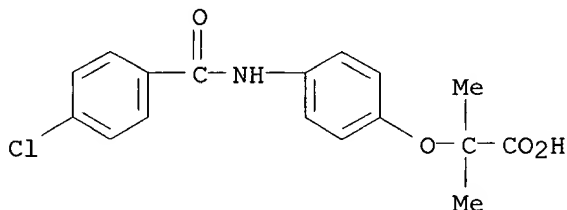
RN 121809-57-2 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[(phenylamino)carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



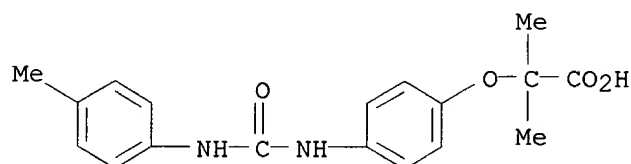
RN 121809-58-3 CAPLUS

CN Propanoic acid, 2-[4-[(4-chlorobenzoyl)amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



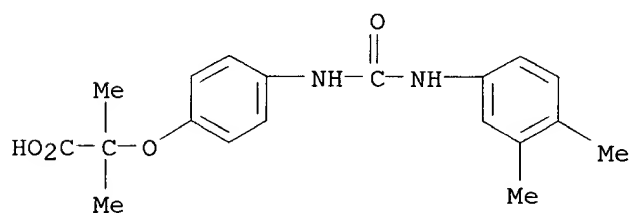
RN 121809-65-2 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[(4-methylphenyl)amino]carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)



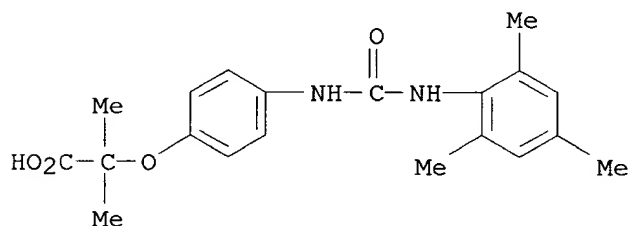
RN 121809-66-3 CAPLUS

CN Propanoic acid, 2-[4-[[[(3,4-dimethylphenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



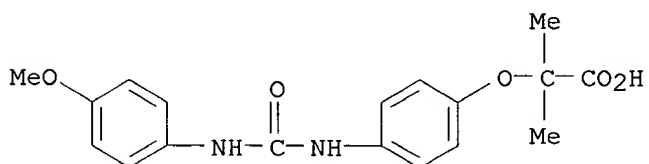
RN 121809-67-4 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[(2,4,6-trimethylphenyl)amino]carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)



RN 121809-68-5 CAPLUS

CN Propanoic acid, 2-[4-[[[(4-methoxyphenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)

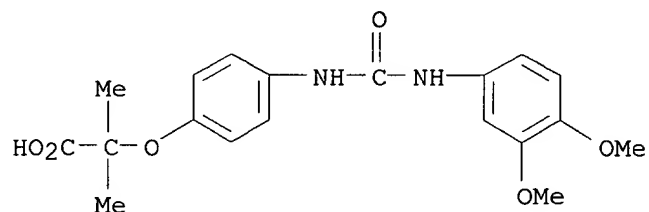


RN 121809-69-6 CAPLUS

CN Propanoic acid, 2-[4-[[[(3,4-dimethoxyphenyl)amino]carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)

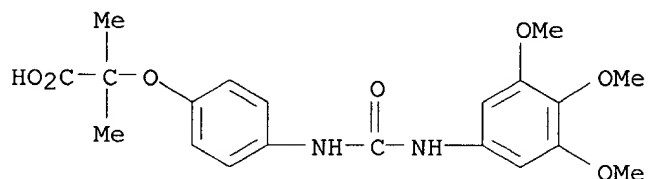
V. Balasubramanian

2-methyl- (9CI) (CA INDEX NAME)



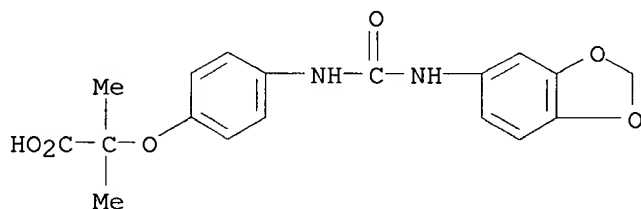
RN 121809-70-9 CAPLUS

CN Propanoic acid, 2-methyl-2-[4-[[[(3,4,5-trimethoxyphenyl)amino]carbonyl]amino]phenoxy]- (9CI) (CA INDEX NAME)



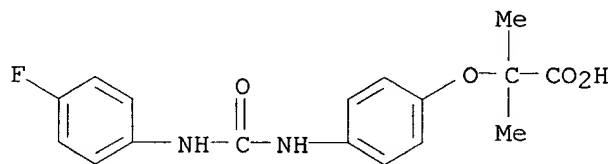
RN 121809-71-0 CAPLUS

CN Propanoic acid, 2-[4-[[[(1,3-benzodioxol-5-ylamino)carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



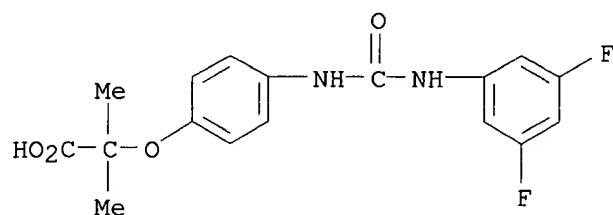
RN 121809-72-1 CAPLUS

CN Propanoic acid, 2-[4-[[[(4-fluorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



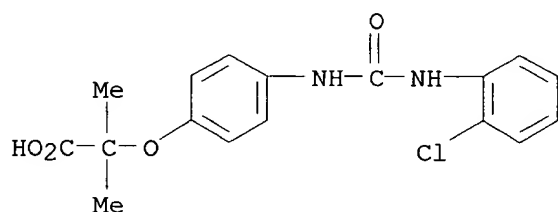
RN 121809-73-2 CAPLUS

CN Propanoic acid, 2-[4-[[[(3,5-difluorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



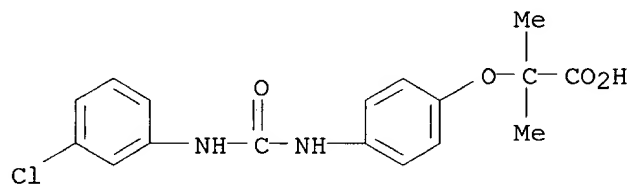
RN 121809-74-3 CAPLUS

CN Propanoic acid, 2-[4-[[[(2-chlorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



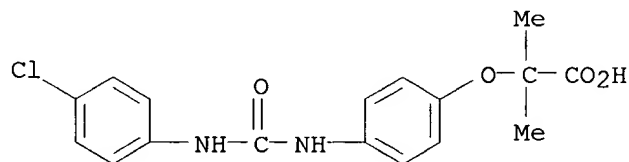
RN 121809-75-4 CAPLUS

CN Propanoic acid, 2-[4-[[[(3-chlorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



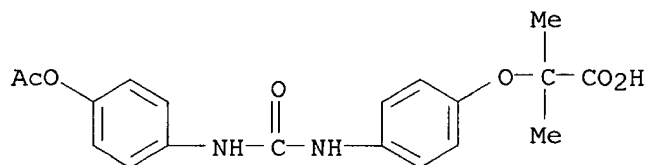
RN 121809-76-5 CAPLUS

CN Propanoic acid, 2-[4-[[[(4-chlorophenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



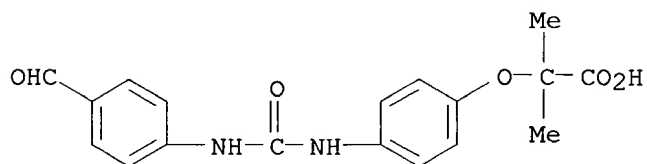
RN 121809-88-9 CAPLUS

CN Propanoic acid, 2-[4-[[[(4-(acetyloxy)phenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



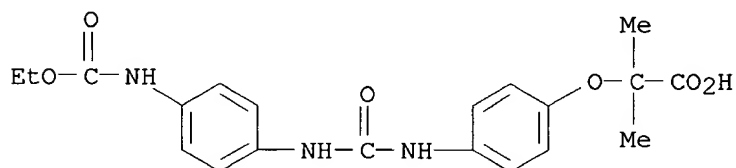
RN 121809-89-0 CAPLUS

CN Propanoic acid, 2-[4-[[[(4-formylphenyl)amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



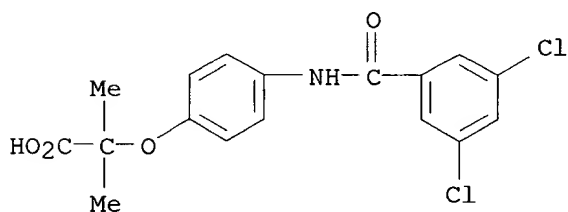
RN 121809-90-3 CAPLUS

CN Propanoic acid, 2-[4-[[[4-[(ethoxycarbonyl)amino]phenyl]amino]carbonyl]amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)



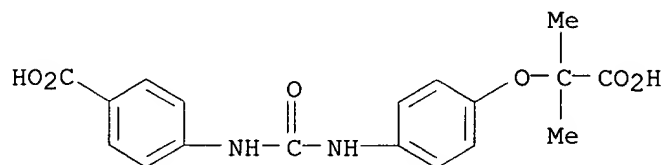
RN 121809-91-4 CAPLUS

CN Propanoic acid, 2-[4-[(3,5-dichlorobenzoyl)amino]phenoxy]-2-methyl- (9CI) (CA INDEX NAME)

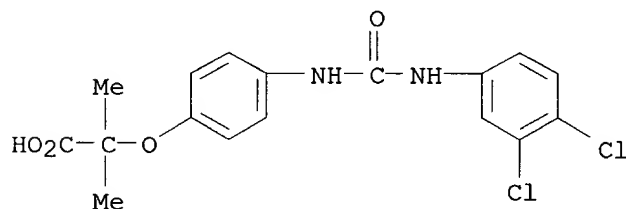


RN 121809-94-7 CAPLUS

CN Benzoic acid, 4-[[[4-(1-carboxy-1-methylethoxy)phenyl]amino]carbonyl]amino]- (9CI) (CA INDEX NAME)



L6 ANSWER 19 OF 19 CAPLUS COPYRIGHT 2000 ACS  
AN 1988:563263 CAPLUS  
DN 109:163263  
TI LR16, a compound with potent effects on the oxygen affinity of hemoglobin,  
on blood cholesterol, and on low density lipoprotein  
AU Lalezari, I.; Rahbar, S.; Lalezari, P.; Fermi, G.; Perutz, M. F.  
CS Dep. Anesthesiol., Montefiore Med. cent., Bronx, NY, 10467, USA  
SO Proc. Natl. Acad. Sci. U. S. A. (1988), 85(16), 6117-21  
CODEN: PNASA6; ISSN: 0027-8424  
DT Journal  
LA English  
IT **117011-50-4P**  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(prepn. and anticholesterolemic activity of and Hb oxygen affinity  
response to)  
RN 117011-50-4 CAPLUS  
CN Propanoic acid, 2-[4-[[[(3,4-dichlorophenyl)amino]carbonyl]amino]phenoxy]-  
2-methyl- (9CI) (CA INDEX NAME)



=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	53.21	179.96

STN INTERNATIONAL LOGOFF AT 15:56:19 ON 05 OCT 2000

Trying 3106016892...Open

Welcome to STN International! Enter x:x  
LOGINID:sssptal611bxv  
PASSWORD:  
TERMINAL (ENTER 1, 2, 3, OR ?):2



V. Balasubramanian

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 Dec 17 The CA Lexicon available in the CAPLUS and CA files  
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NEWS 4 Feb 16 TOXLINE no longer being updated  
NEWS 5 Apr 23 Search Derwent WPINDEX by chemical structure  
NEWS 6 Apr 23 PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA  
NEWS 7 May 07 DGENE Reload  
NEWS 8 Jun 20 Published patent applications (A1) are now in USPATFULL  
NEWS 9 JUL 13 New SDI alert frequency now available in Derwent's  
DWPI and DPCI  
NEWS 10 Aug 23 In-process records and more frequent updates now in  
MEDLINE  
NEWS 11 Aug 23 PAGE IMAGES FOR 1947-1966 RECORDS IN CAPLUS AND CA  
NEWS 12 Aug 23 Adis Newsletters (ADISNEWS) now available on STN  
NEWS 13 Sep 17 IMSworld Pharmaceutical Company Directory name change  
to PHARMASEARCH  
  
NEWS EXPRESS August 15 CURRENT WINDOWS VERSION IS V6.0c,  
CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP),  
AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001  
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NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

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=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.15

0.15

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09/825,925

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26, 1996), unless otherwise indicated in the original publications.

FILE COVERS 1947 - 23 Sep 2001 VOL 135 ISS 14

FILE LAST UPDATED: 21 Sep 2001 (20010921/ED)

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=> s advanced(l)glycation(l)ednproduct?

71854 ADVANCED

2722 GLYCATION

0 EDNPRODUCT?

L1 0 ADVANCED(L) GLYCATION(L) EDNPRODUCT?

=> s advanced(l)glycation(l)endproduct?

71854 ADVANCED

2722 GLYCATION

571 ENDPRODUCT?

L2 233 ADVANCED(L) GLYCATION(L) ENDPRODUCT?

=> l2 and acid

L2 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system. For a list of commands available to you in the current file, enter "HELP COMMANDS" at an arrow prompt (=>).

=> s l2 and acid

3008179 ACID

L3 35 L2 AND ACID

=> d scan l3

L3 35 ANSWERS CAPLUS COPYRIGHT 2001 ACS

CC 14-11 (Mammalian Pathological Biochemistry)

Section cross-reference(s): 2, 15

TI The receptor for advanced glycation end products mediates the chemotaxis of rabbit smooth muscle cells

ST **advanced glycation endproduct** receptor

smooth muscle; AGE receptor vascular smooth muscle atherosclerosis;

TGFbeta AGE receptor smooth muscle atherosclerosis; chemotaxis AGE

receptor smooth muscle atherosclerosis

(lesion; receptor for advanced glycation end products mediates chemotaxis of rabbit smooth muscle cells in relation to receptor-mediated endocytosis, transforming growth factor-.beta. secretion, foam cells, and atherosclerotic lesions)  
(receptor for advanced glycation end products mediates chemotaxis of rabbit smooth muscle cells in relation to receptor-mediated endocytosis, transforming growth factor-.beta. secretion, foam cells, and atherosclerotic lesions)  
(receptor for advanced glycation end products mediates chemotaxis of rabbit smooth muscle cells in relation to receptor-mediated endocytosis, transforming growth factor-.beta. secretion, foam cells, and atherosclerotic lesions)  
(receptors; receptor for advanced glycation end products mediates chemotaxis of rabbit smooth muscle cells in relation to receptor-mediated endocytosis, transforming growth factor-.beta. secretion, foam cells, and atherosclerotic lesions)  
(receptors; receptor for advanced glycation end products mediates chemotaxis of rabbit smooth muscle cells in relation to receptor-mediated endocytosis, transforming growth factor-.beta. secretion, foam cells, and atherosclerotic lesions)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

=> s 12 and (benzoic(1)acid or phenoxy(1)isobutyric(1)acid)

42974 BENZOIC

3008179 ACID

39392 BENZOIC(L)ACID

18168 PHENOXY

5445 ISOBUTYRIC

3008179 ACID

24 PHENOXY(L)ISOBUTYRIC(L)ACID

L4 1 L2 AND (BENZOIC(L)ACID OR PHENOXY(L)ISOBUTYRIC(L)ACID)

=> d scan

L4 1 ANSWERS CAPLUS COPYRIGHT 2001 ACS

CC 1-12 (Pharmacology)

TI Novel Inhibitors of **Advanced Glycation**

**Endproducts** (Part II)

ST **advanced glycation endproduct** inhibitor

(AGE-protein; inhibitors of **advanced glycation**

**endproducts**)

(inhibitors of **advanced glycation**

**endproducts**)

(inhibitors of **advanced glycation**

**endproducts**)

(inhibitors of advanced glycation endproducts)

ALL ANSWERS HAVE BEEN SCANNED

=> s 12 and benzoic(1)acid

42974 BENZOIC

3008179 ACID

39392 BENZOIC(L)ACID

L5 1 L2 AND BENZOIC(L)ACID

V. Balasubramanian

=> s l2 and phenoxy  
18168 PHENOXY  
L6 1 L2 AND PHENOXY

=> d l5 bib abs hitstr

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2001 ACS  
AN 2000:835182 CAPLUS  
DN 134:247197  
TI Novel Inhibitors of **Advanced Glycation Endproducts** (Part II)  
AU Rahbar, Samuel; Yerneni, Kiran Kumar; Scott, Stephen; Gonzales, Noe; Lalezari, Iraj  
CS Department of Diabetes, Endocrinology, and Metabolism, Gonda (Goldschmied) Diabetes and Genetic Research Center, City of Hope National Medical Center, Duarte, CA, 91010, USA  
SO Mol. Cell Biol. Res. Commun. (2000), 3(6), 360-366  
CODEN: MCBCFS; ISSN: 1522-4724  
PB Academic Press  
DT Journal  
LA English  
AB Enhanced formation and accumulation of **advanced glycation endproducts** (AGEs), have been implicated as a major pathogenesis process leading to diabetic complications, normal aging, atherosclerosis, and Alzheimer's Disease. Several potential drug candidates as AGE inhibitors have been reported recently. The aim of this study was to develop classes of novel inhibitors of **glycation**, AGE formation, and AGE-crosslinking and to investigate their effects through in vitro chem. and immunochem. assays. A total of 92 compds. were designed and synthesized. The first 63 compds. were reported before. Nearly half of the 29 novel inhibitors reported here are **benzoic acid** derivs. and related mols., and found to be potent inhibitors of multistage **glycation**, AGE formation, and AGE-protein crosslinking. All 29 compds. show some degrees of inhibitory activities as detected by the four assay methods, 9 compds. demonstrated high percent inhibition (PI) in all tests, 30 to 40 times stronger than aminoguanidine.  
(c) 2000 Academic Press.

RE.CNT 50

RE

- (1) Al-Abed, Y; J Biol Chem 1996, V271, P2892 CAPLUS
- (3) Anon; US 5514676 CAPLUS
- (5) Baynes, J; Diabetes 1999, V48, P1 CAPLUS
- (8) Bucala, R; Adv Pharmacol 1992, V23, P1 CAPLUS
- (9) Bucala, R; Exp Physiol 1997, V82, P327 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d l6 bib abs

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2001 ACS  
AN 1999:558280 CAPLUS  
DN 131:317717  
TI Novel Inhibitors of **Advanced Glycation Endproducts**  
AU Rahbar, Samuel; Kumar Yernini, Kiran; Scott, Stephen; Gonzales, Noe; Lalezari, Iraj  
CS Department of Diabetes, Endocrinology & Metabolism, City of Hope National Medical Center, Duarte, CA, 91010-0269, USA

09/825,925

V. Balasubramanian

SO Biochem. Biophys. Res. Commun. (1999), 262(3), 651-656

CODEN: BBRCA9; ISSN: 0006-291X

PB Academic Press

DT Journal

LA English

AB Enhanced formation and accumulation of **advanced**

**glycation endproducts** (AGE's) have been proposed to play a major role in the pathogenesis of diabetic complications, aging, atherosclerosis, and Alzheimer disease leading to progressive and irreversible intermol. protein crosslinkings. This process is accelerated in diabetes and has been postulated to contribute to the development of a range of diabetic complications including nephropathy, retinopathy and neuropathy. Several potential drug candidates as AGE inhibitors have been reported recently. Aminoguanidine is the first drug extensively studied both in vitro and in vivo. The authors have developed a new class of compds. as potent inhibitors of **glycation** and AGE formation. The novel inhibitors reported here are aryl (and heterocyclic) ureido, and aryl (and heterocyclic) carboxamido **phenoxy** isobutyric acids and related mols., which were found by in vitro assay methods to be potent inhibitors of multiple stage of **glycation** and AGE formation.

(c) 1999 Academic Press.

RE.CNT 48

RE

(1) Al-Abed, Y; J Biol Chem 1996, V271, P2892 CAPLUS

(4) Baynes, J; Diabetes 1999, V48, P1 CAPLUS

(5) Beisswenger, P; Diabetes 1999, V48, P198 CAPLUS

(7) Booth, A; J Biol Chem 1997, V272, P5430 CAPLUS

(8) Brownlee, M; Science 1986, V232, P1629 CAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

30.26

30.41

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SINCE FILE

TOTAL

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